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DETAILS

TO WHICH

STANDARD HARDWARE

CAN BE APPLIED

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CALIFORNIA

DETAILS

TO WHICH

STANDARD HARDWARE

CAN BE APPLIED

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W. R. Hill, Trustee.

Drawings prepared by Frank M. Snyder, Architect,
New York.

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FOREWORD

THROUGH long study of the requirements of Architects in reference to Builders' Hardware and Locks, certain standards of size and spacing have been established and recognized by Architects and adopted by Manufacturers.

They have felt the necessity for a series of easy reference details, clearly fixing the dimensions to which Standard Hardware can be applied, and it is with the view and desire of co-operating with Architects to the end of a quicker, less expensive and more satisfactory service, that, after a great deal of care and consideration, this book has been issued.

The information given covers the minimum requirements for hardware for the various types of doors and windows that have become standard in the class of work in which they are used. It is not intended to suggest any architectural or constructional design; the sole purpose being to fix required dimensions.

01979

THE FOLLOWING ARE
THE HARDWARE MANUFACTURERS
UNDER WHOSE AUSPICES
THESE DETAILS ARE ISSUED

Barrows Lock Co., Lockport, Ill.
Chantrell Hardware and Tool Co., Reading, Pa.
P. and F. Corbin, New Britain, Conn.
The Lockwood Mfg. Co., South Norwalk, Conn.
Norwalk Lock Co., South Norwalk, Conn.
The Peck, Stow and Wilcox Co., Cleveland, O.
Penn Hardware Co., Reading, Pa.
Russell and Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent and Company, New Haven, Conn.
The Taylor and Boggis Foundry Co., Cleveland, O.
The Yale and Towne Mfg. Co., New York.

THOMAS F. NOLAN, F. A. I. A.
PROFESSOR OF ARCHITECTURAL CONSTRUCTION
UNIVERSITY OF PENNSYLVANIA
PHILADELPHIA

As Chairman of the Committee on Materials and Methods of the American Institute of Architects, I am glad to have this opportunity of expressing approval of this much desired publication.

Yours very truly,

Thomas Nolan

Professor Nolan also approved the size of these plates, it being in accordance with the recommendation of The American Institute of Architects.

DETAILS FOR STANDARD HARDWARE

SINGLE ENTRANCE AND VESTIBULE DOORS.

WITH FLAT FRONTS: NOT BEVELED.

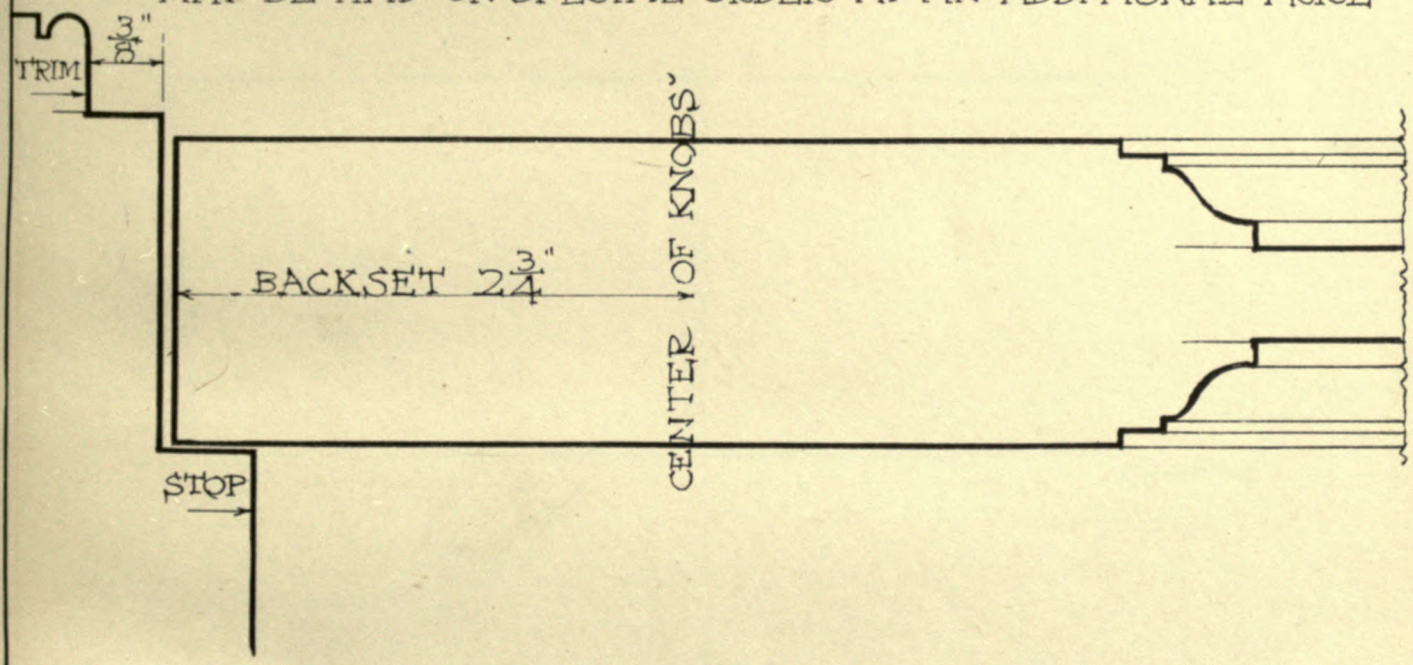
USING CYLINDER OR BITTED KEY LOCKS.

REGULAR BACKSET $2\frac{3}{4}$".

FLAT FRONT LOCKS WITH $2\frac{3}{4}$" BACKSETS
ARE USUALLY CARRIED IN STOCK.

CYLINDER LOCKS MAY BE HAD IN OTHER BACKSETS
ON SPECIAL ORDER: AT AN ADDITIONAL PRICE.

FOR THICKER DOORS. LOCKS WITH BEVELED FRONTS.
MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.



DRAWING IS FULL SIZE.

PLATE NO. 1.

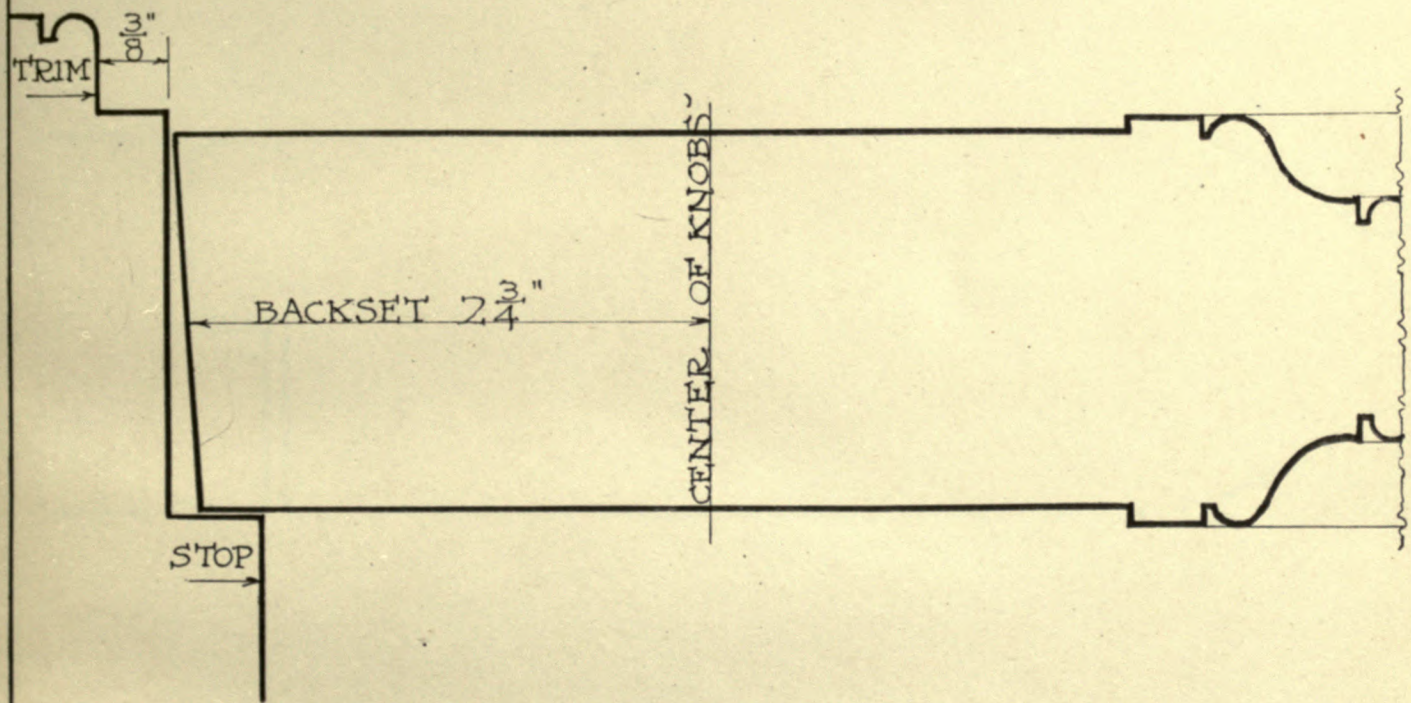
DETAILS FOR STANDARD HARDWARE

SINGLE ENTRANCE AND VESTIBULE DOORS.

WITH BEVELED FRONT.

USING CYLINDER LOCK.
FRONT BEVELED $\frac{1}{8}$" IN 2".

REGULAR BACKSET $2\frac{3}{4}$".
OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER.
AT AN ADDITIONAL PRICE.



DRAWING IS FULL SIZE.

PLATE NO. 2.

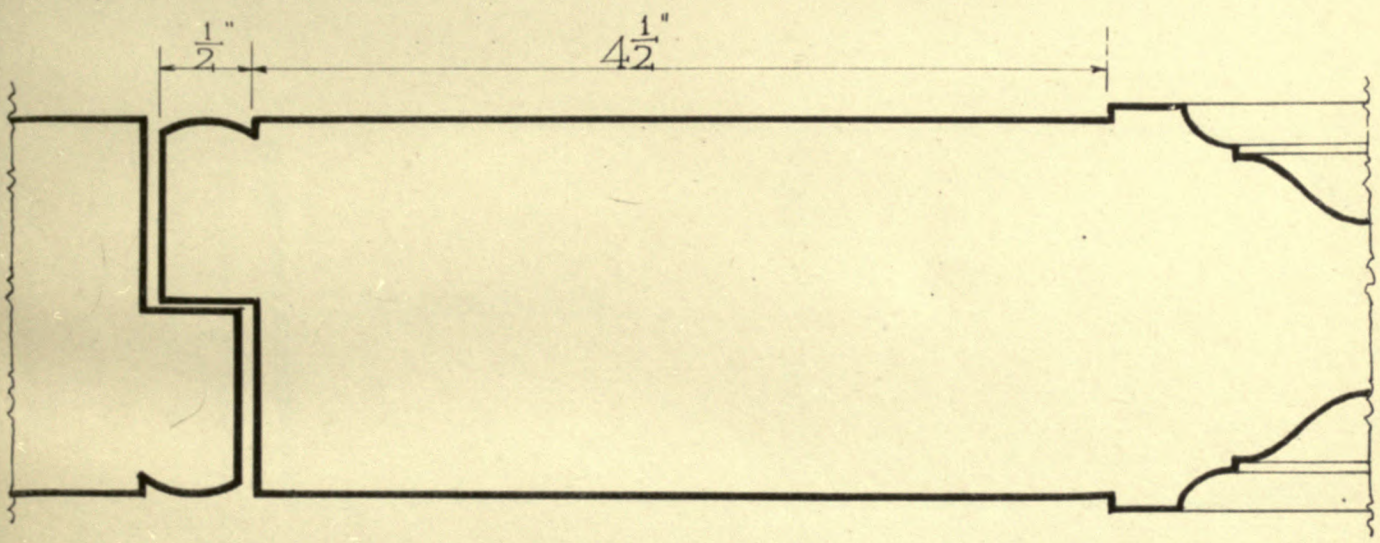
DETAILS FOR STANDARD HARDWARE

DOUBLE ENTRANCE AND VESTIBULE DOORS.

WITH RABBETED MEETING STILES.

USING CYLINDER LOCK.

FOR LOCKS WITH STANDARD BACKSETS.
STILES SHOULD BE NOT LESS THAN
$4\frac{1}{2}$". ON NARROW SIDE.



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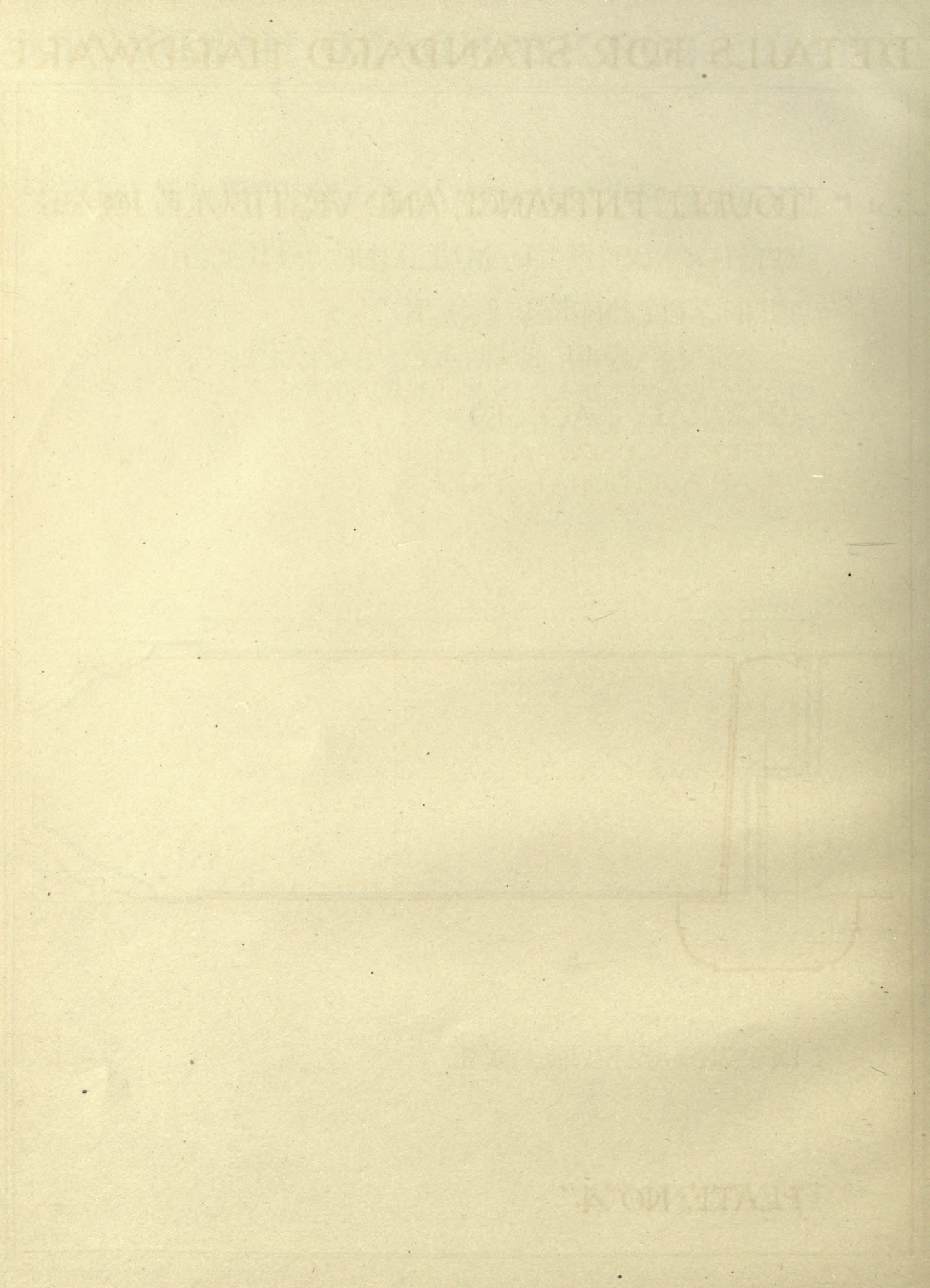

DETAILS FOR STANDARD HARDWARE

DOUBLE ENTRANCE AND VESTIBULE DOORS.

WITH FLAT ASTRAGAL MEETING STILES.

USING CYLINDER LOCK.
FRONT BEVELED $\frac{1}{8}$" IN 2".

REGULAR BACKSET $2\frac{3}{4}$".
OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER.
AT AN ADDITIONAL PRICE.

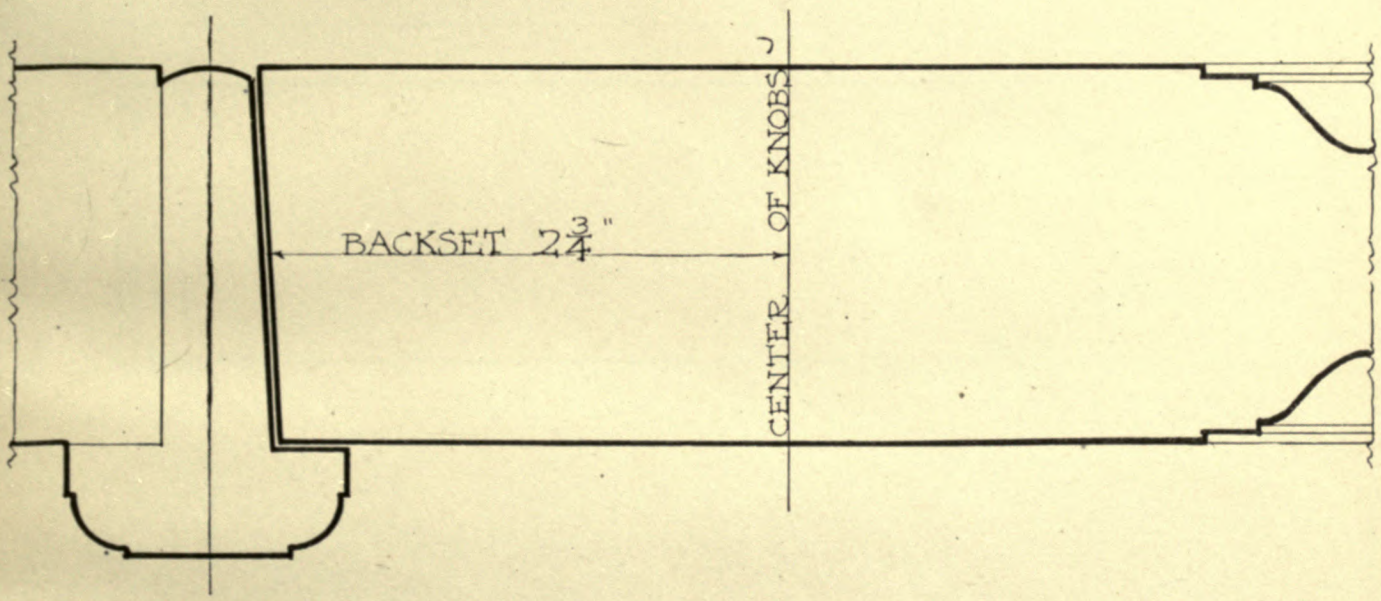

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PLATE NO. 4.

DETAILS FOR STANDARD HARDWARE

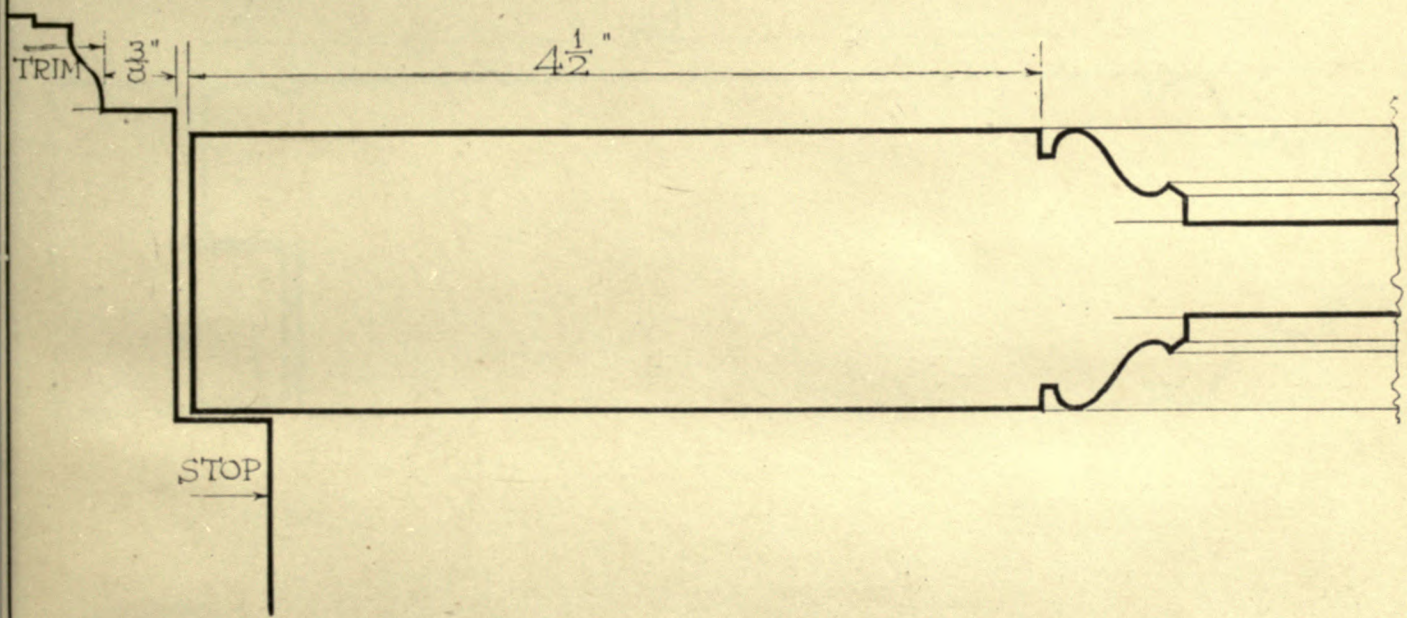
SINGLE INTERIOR DOOR.

WITH FLAT FRONT: NOT BEVELED.

USING BITTED KEY LOCK.

FOR LOCKS WITH STANDARD BACKSETS.
STILES SHOULD BE NOT LESS THAN $4\frac{1}{2}$".

FOR THICKER DOORS. LOCKS WITH BEVELED FRONTS.
MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.



DRAWING IS FULL SIZE.

PLATE NO. 5.

DETAILS FOR STANDARD HARDWARE

DOUBLE INTERIOR DOORS.

WITH RABBETED MEETING STILES.

USING BITTED KEY LOCK.

FOR LOCKS WITH STANDARD BACKSETS
STILES SHOULD BE NOT LESS THAN
4½". ON NARROW SIDE.

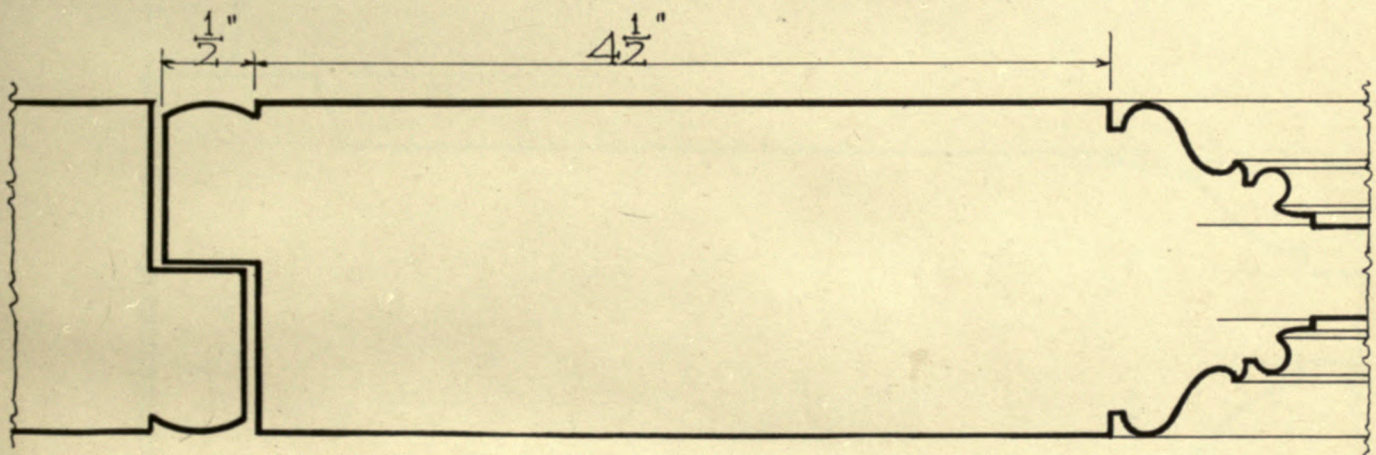


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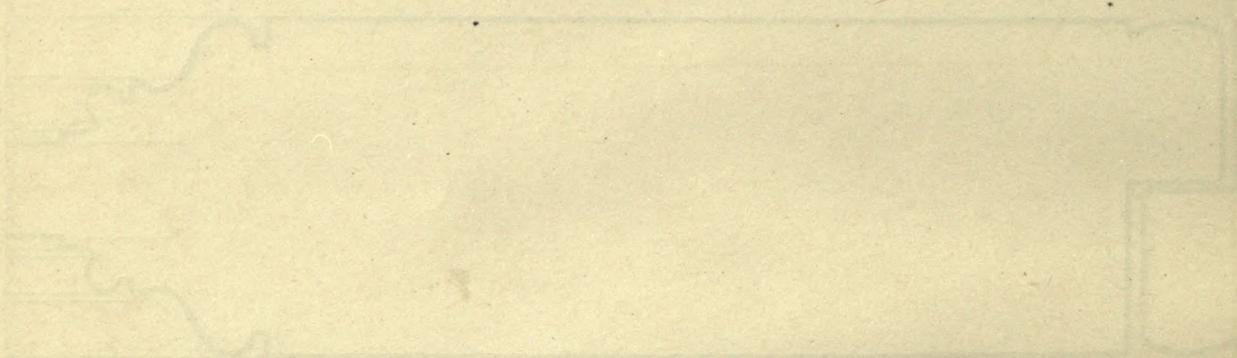
PLATE NO. 6.

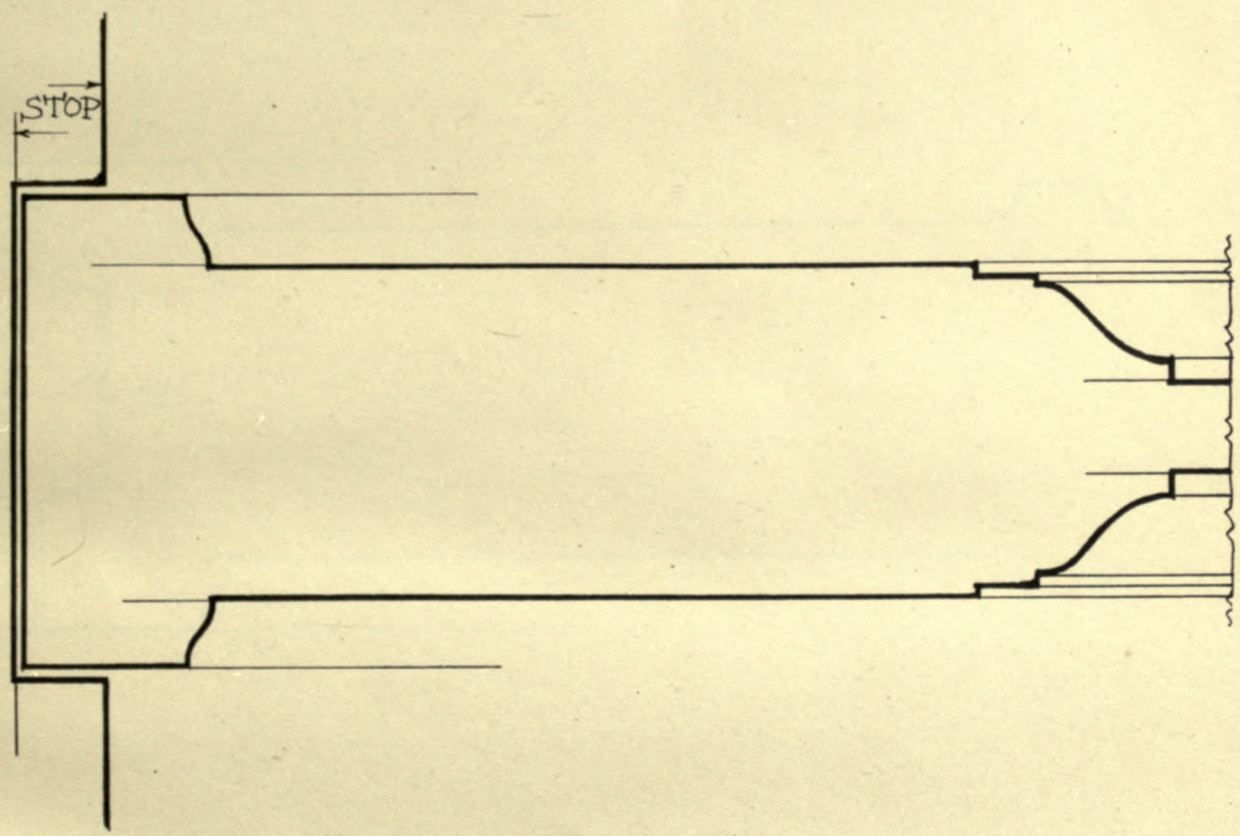


DETAILS FOR STANDARD HARDWARE

SINGLE SLIDING DOOR.

WITH FLAT FRONT.

THE STILE AS SHOWN IS SUITABLE FOR LOCK WITH STANDARD BACKSET.



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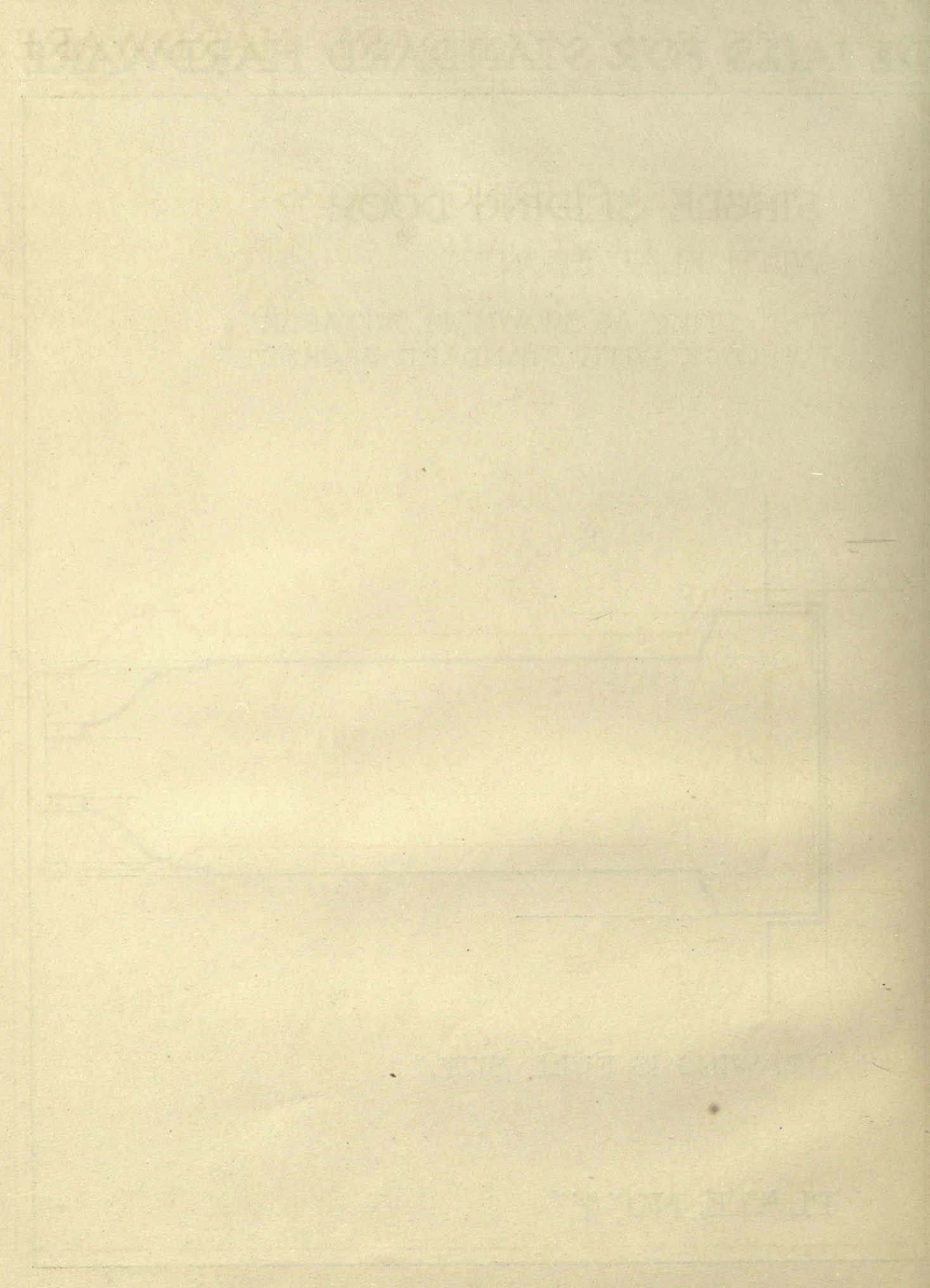
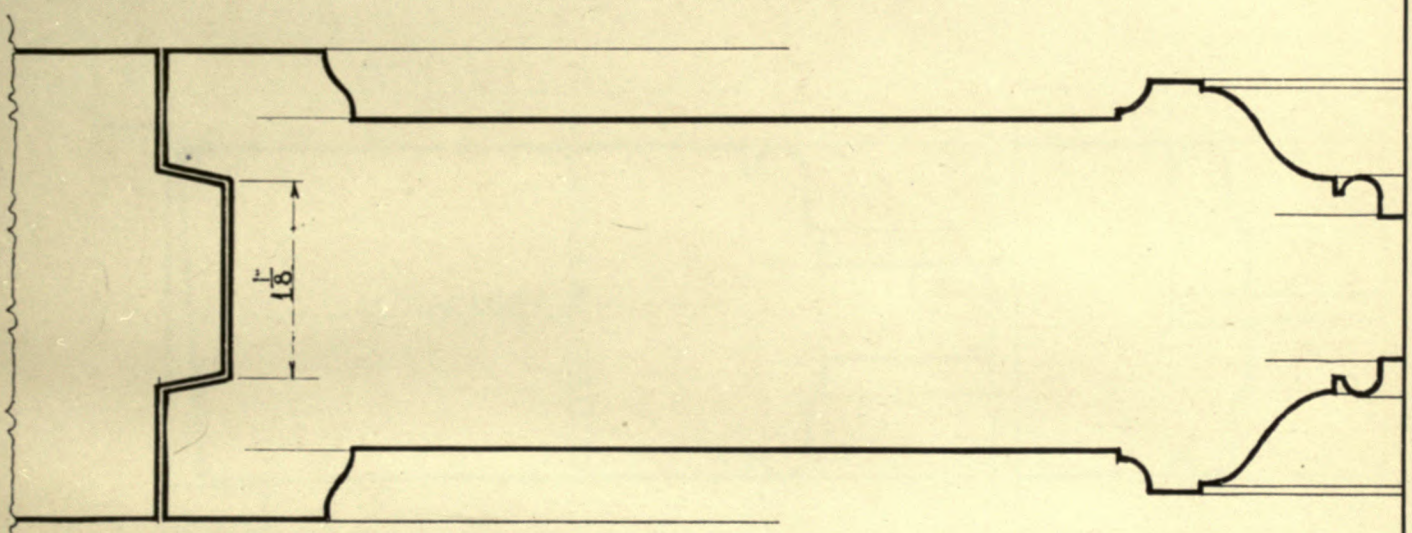


DETAILS FOR STANDARD HARDWARE

DOUBLE SLIDING DOORS.

WITH FLAT ASTRAGAL MEETING STILES.

THE STILE "AS SHOWN" IS SUITABLE
FOR LOCK WITH STANDARD BACKSET.



DRAWING IS FULL SIZE.

PLATE NO. 8.

DETAILS FOR STANDARD HARDWARE

SINGLE NARROW STILE DOOR.

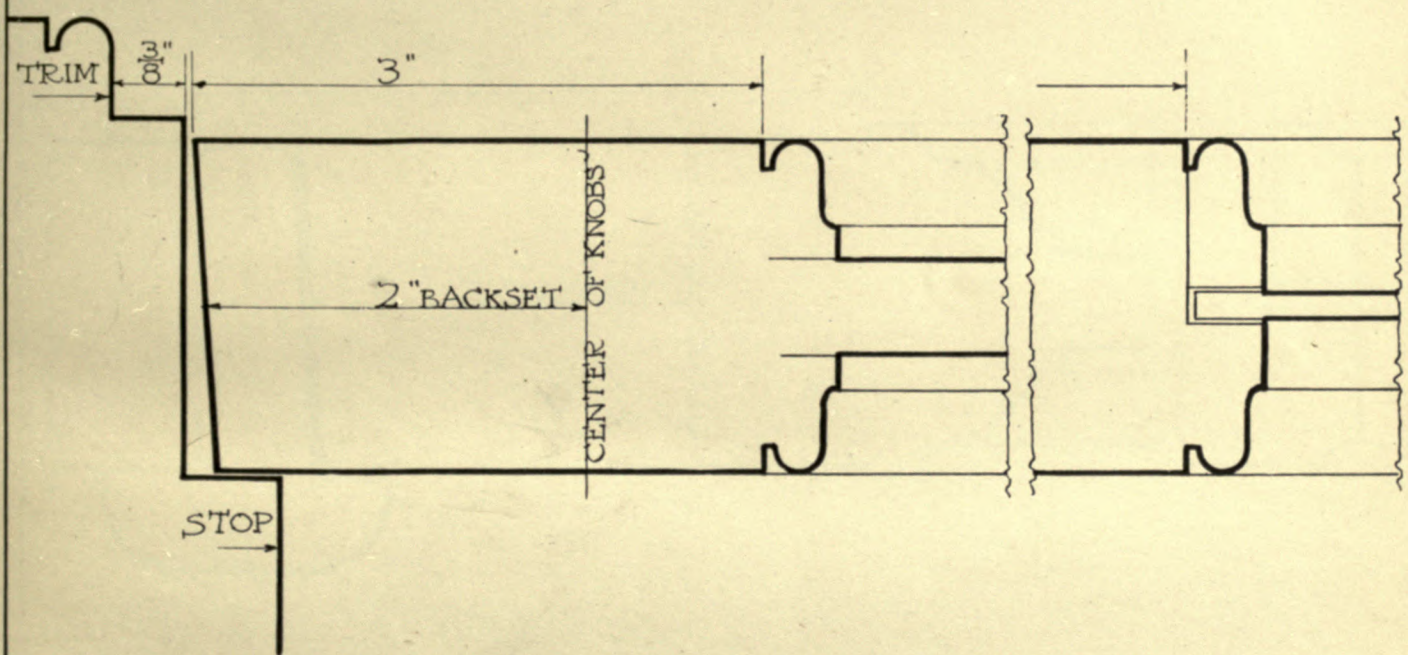
WITH BEVELED FRONT.

USING CYLINDER LOCK.
FRONT BEVELED $\frac{1}{8}$" IN 2".

REGULAR BACKSET 2".

THE STILES SHOULD BE NOT LESS THAN 3".

NARROWER BACKSETS MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.



DRAWING IS FULL SIZE.

PLATE NO. 9.

DETAILS FOR STANDARD HARDWARE

DOUBLE NARROW STILE DOORS.

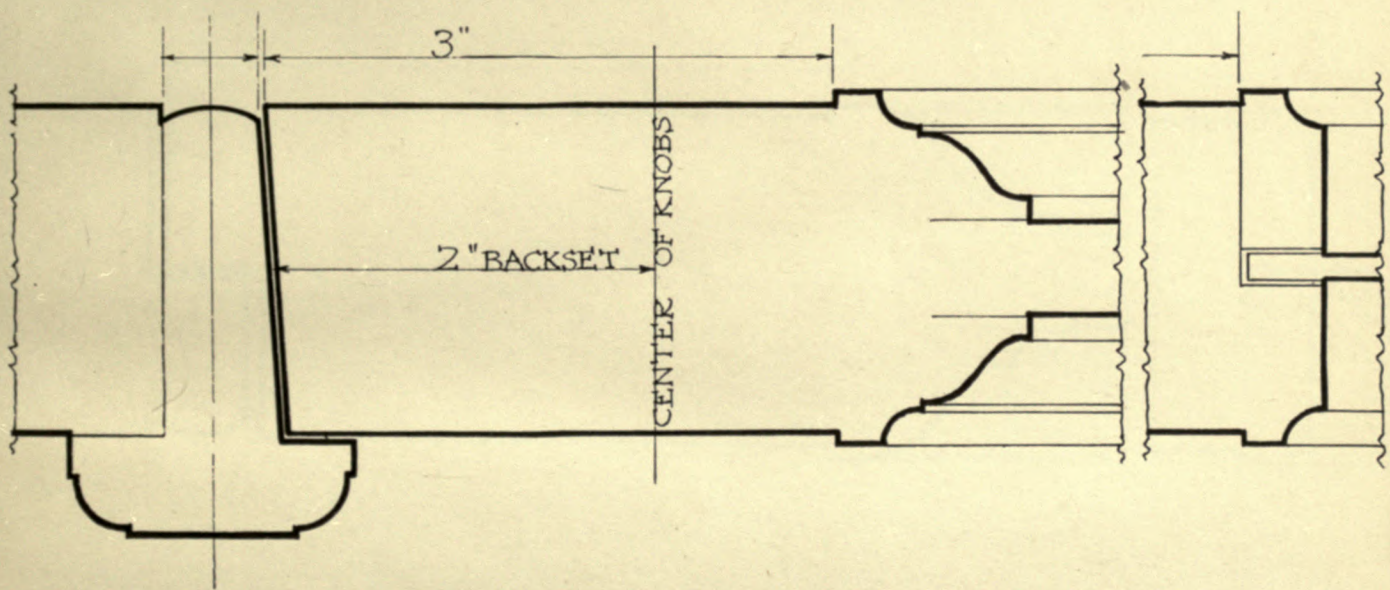
WITH FLAT ASTRAGAL MEETING STILES.

USING CYLINDER LOCK.
FRONT BEVELED $\frac{1}{8}$" IN 2".

REGULAR BACKSET 2".

THE STILES SHOULD BE NOT LESS THAN 3".

NARROWER BACKSETS MAY BE HAD ON SPECIAL ORDER, AT AN ADDITIONAL PRICE.



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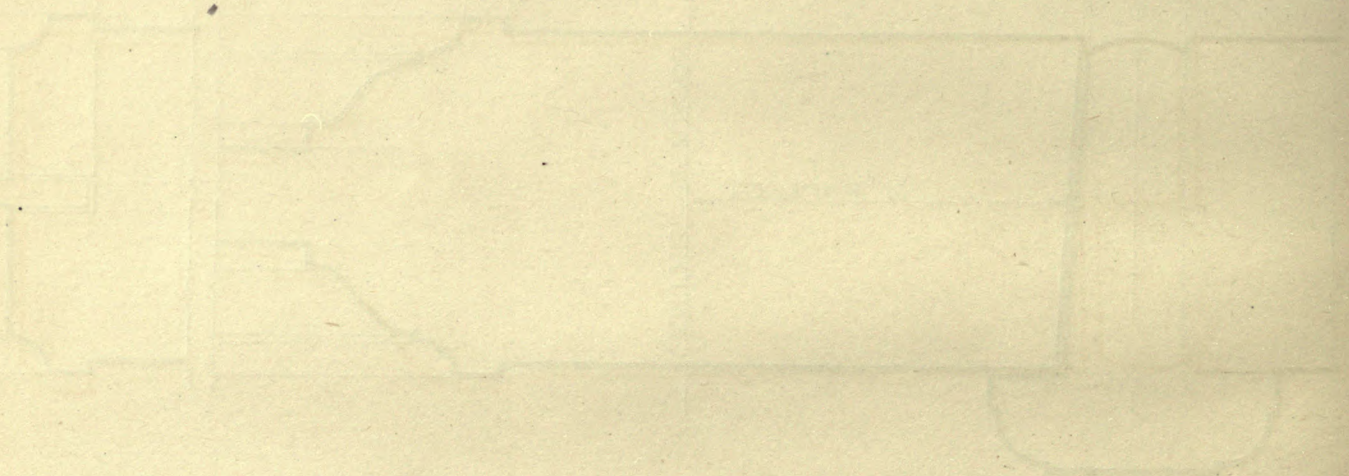


DETAILS FOR STANDARD HARDWARE

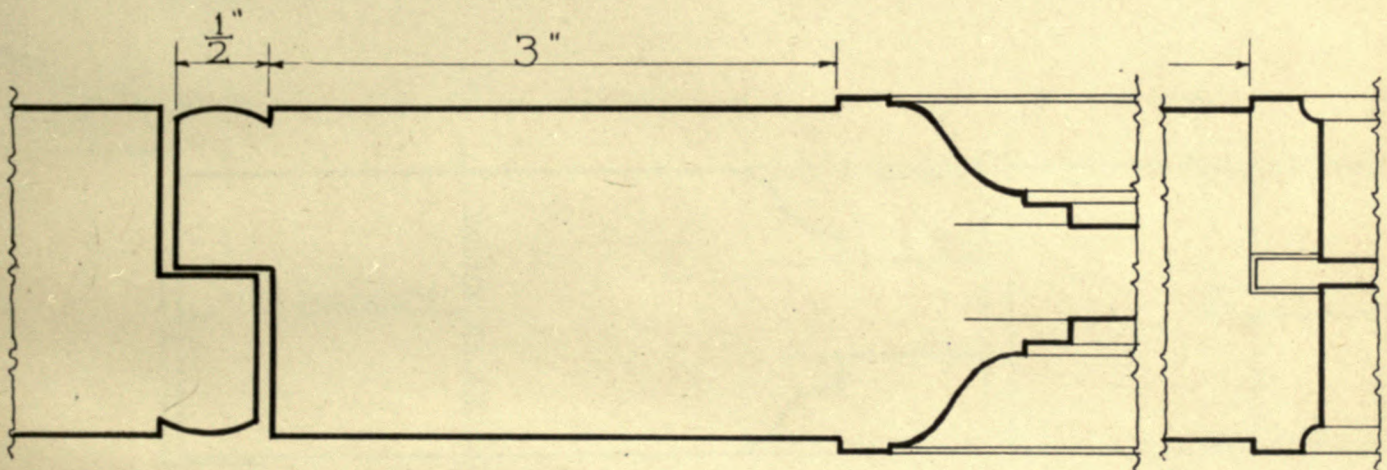
DOUBLE NARROW STILE DOORS.

WITH RABBETED MEETING STILES.

USING CYLINDER LOCK.

THE STILES SHOULD BE NOT LESS THAN 3" ON NARROW SIDE.

LOCKS FOR NARROWER STILES MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.



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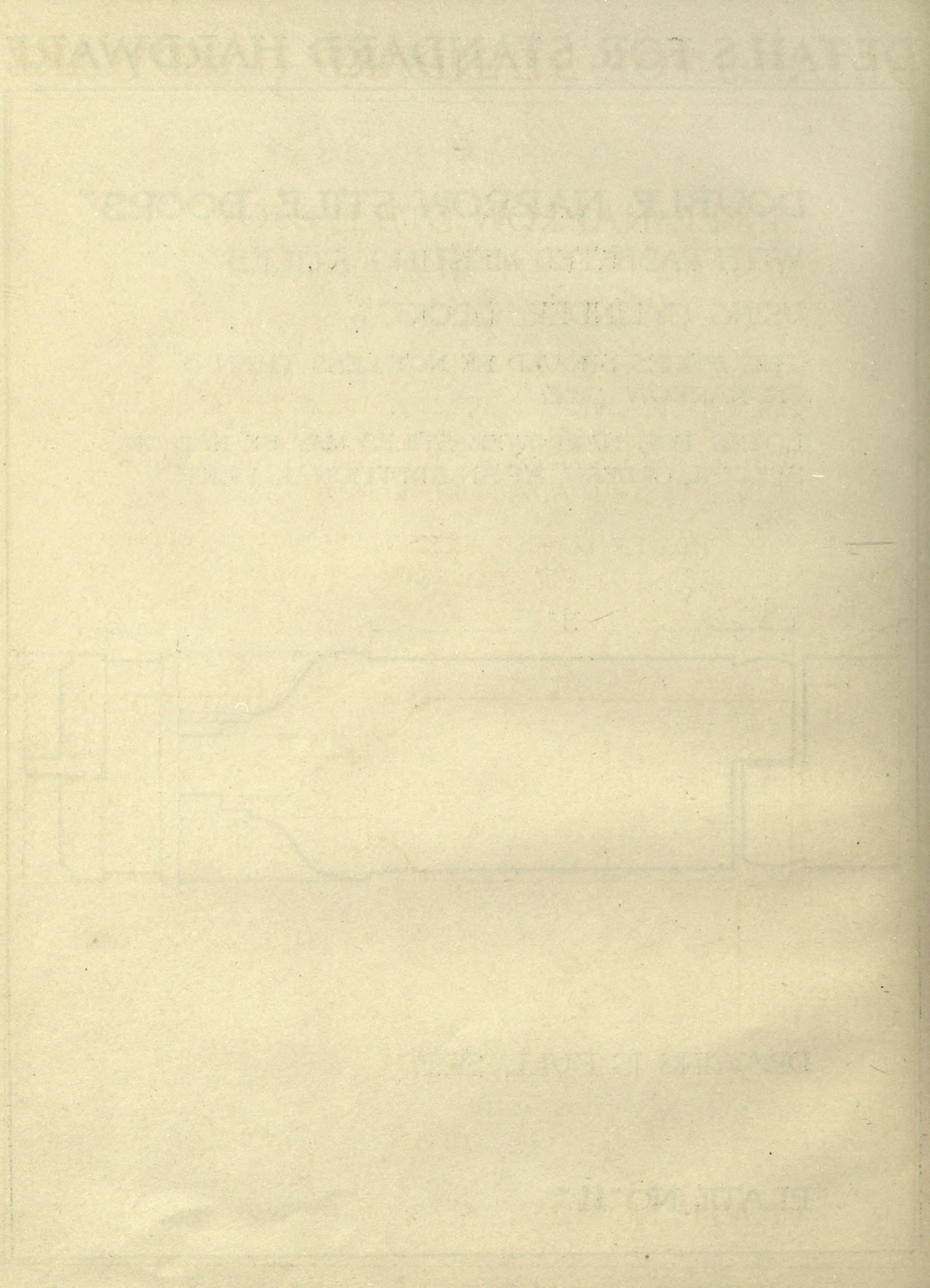

DETAILS FOR STANDARD HARDWARE

SINGLE NARROW STILE DOOR.

WITH FLAT FRONT: NOT BEVELED.

USING BITTED KEY LOCK.

REGULAR BACKSET 1½".

THE STILES SHOULD BE NOT LESS THAN 3".

OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.

FOR THICKER DOORS. LOCKS WITH BEVELED FRONTS. MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.

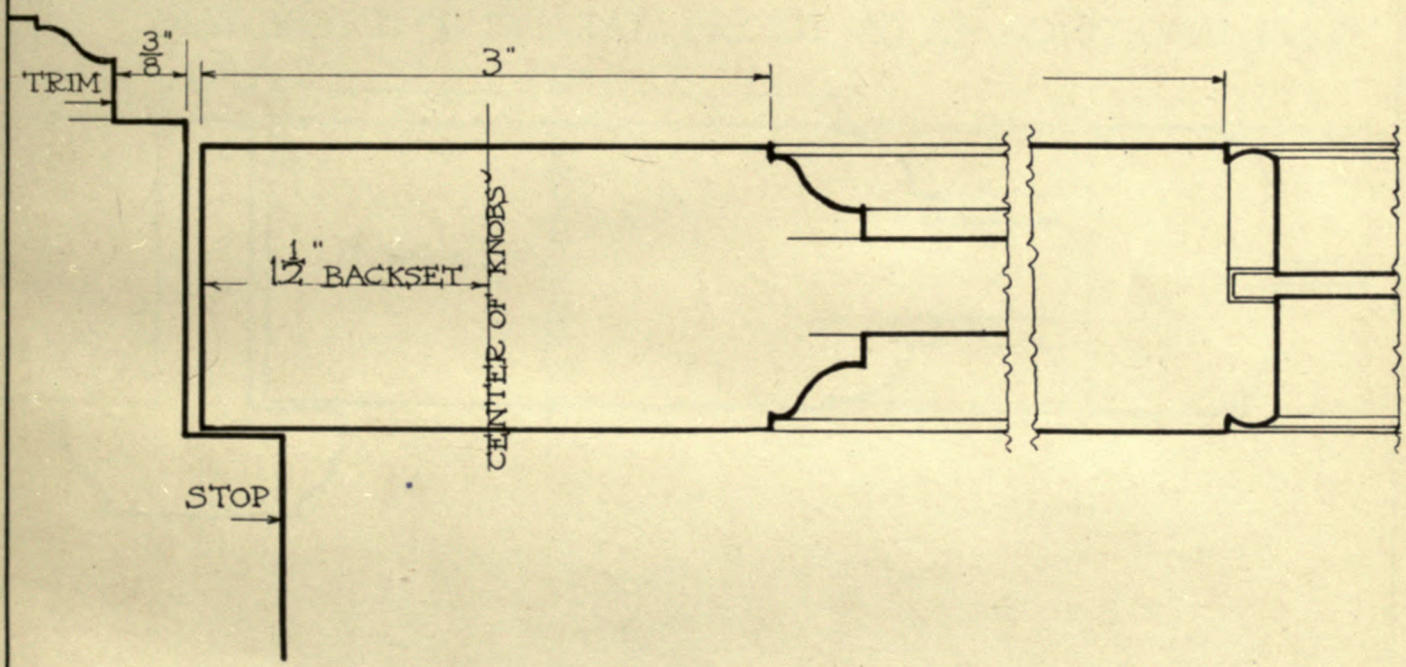

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PLATE NO. 12.

DETAILS FOR STANDARD HARDWARE

DOUBLE NARROW STILE DOORS.

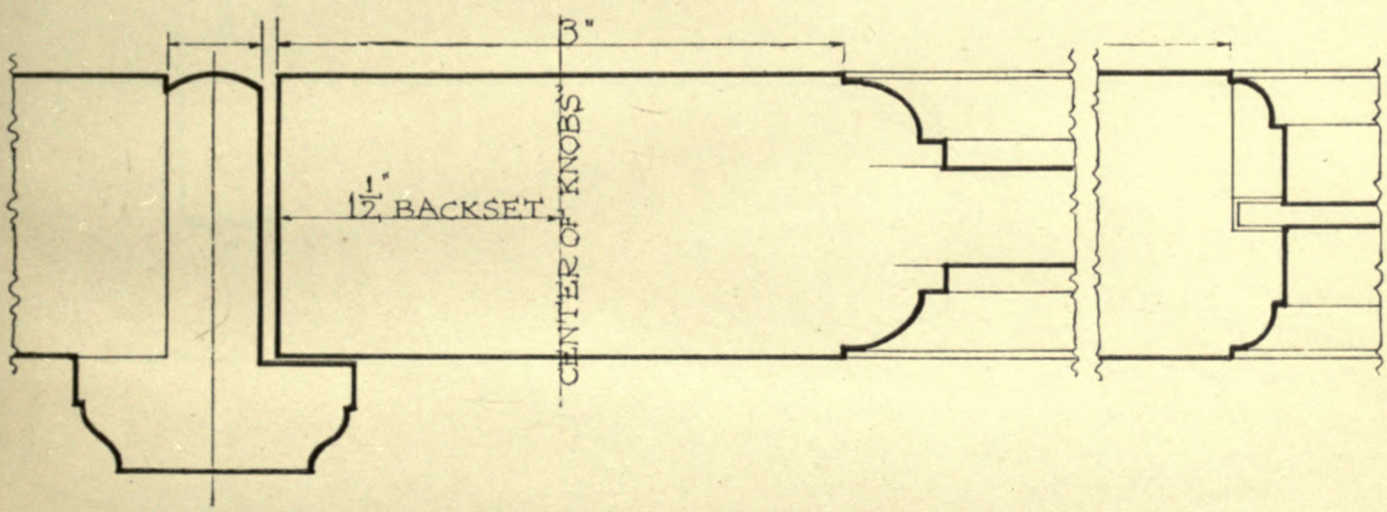
WITH FLAT ASTRAGAL MEETING STILES.

USING BITTED KEY LOCK.
WITH FLAT FRONT : NOT BEVELED.

REGULAR BACKSET $1\frac{1}{2}$". .
THE STILES SHOULD BE NOT LESS THAN 3". .

OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER . AT AN ADDITIONAL PRICE .

FOR THICKER DOORS . LOCKS WITH BEVELED FRONTS . MAY BE HAD ON SPECIAL ORDER . AT AN ADDITIONAL PRICE .



DRAWING IS FULL SIZE.

PLATE NO. 13.

DETAILS FOR STANDARD HARDWARE

DOUBLE NARROW STILE DOORS.

WITH RABBETED MEETING STILES.

USING BITTED KEY LOCK.

THE STILES SHOULD BE NOT LESS THAN 3" ON NARROW SIDE.

LOCKS FOR NARROWER STILES MAY BE HAD ON SPECIAL ORDER. AT AN ADDITIONAL PRICE.

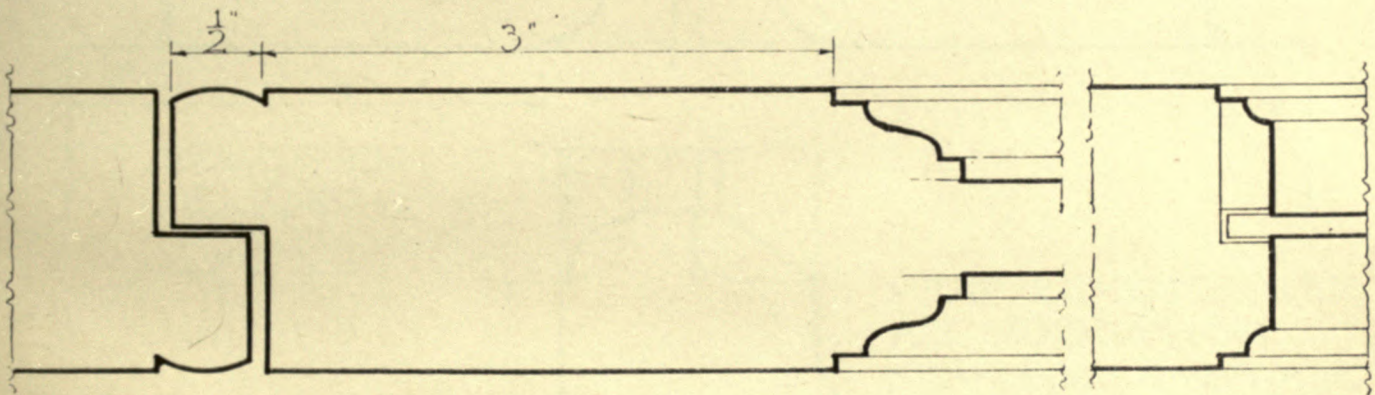


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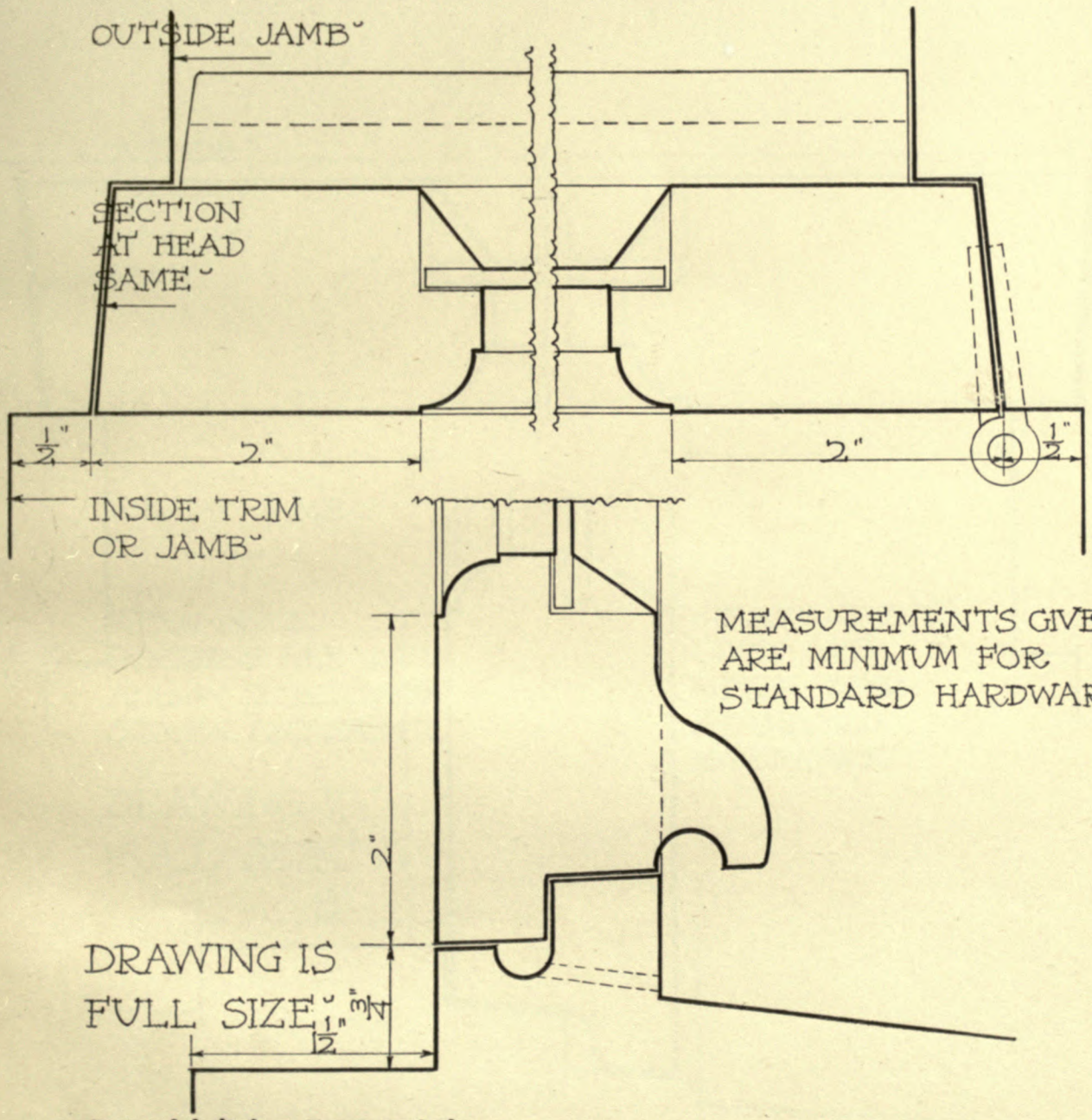
PLATE NO. 14.

DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH "OPENING IN"

USING RIM OR MORTISE CASEMENT FASTENER" OR TURNBUCKLE"" AND ADJUSTER"

FOR SASH NOT OVER 4'.0" HIGH"



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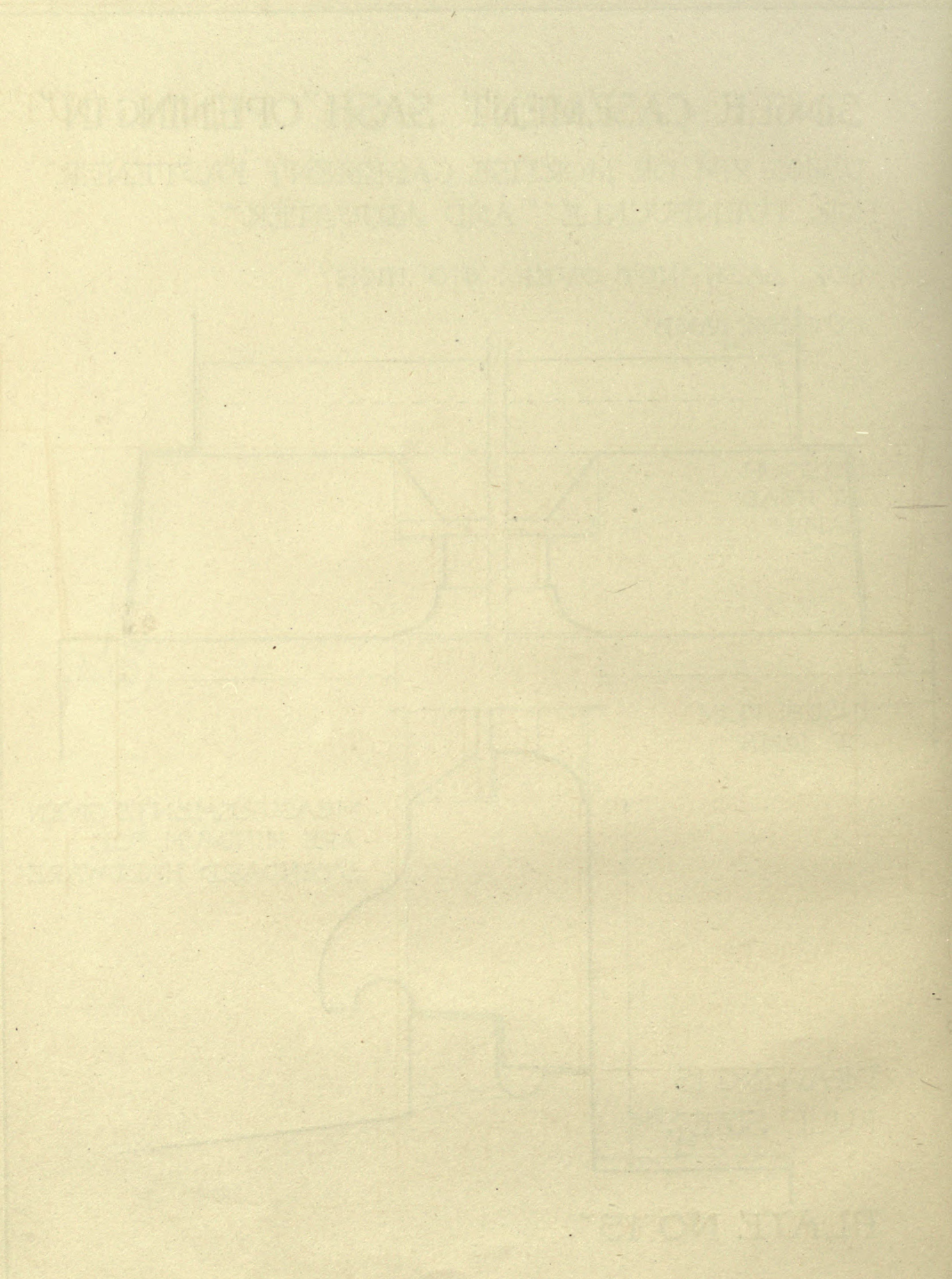
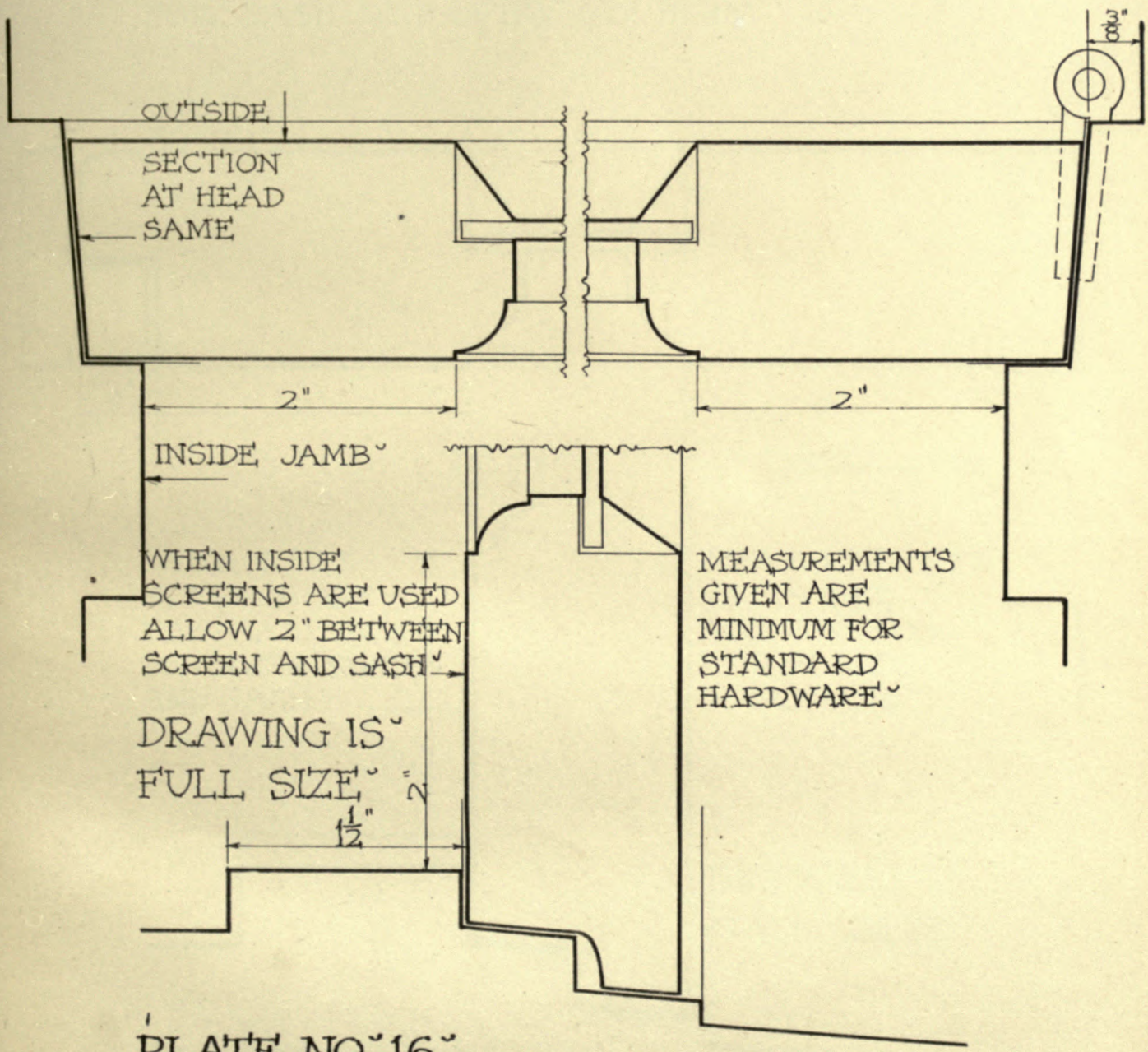


DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH "OPENING OUT"

USING RIM OR MORTISE CASEMENT FASTENER OR TURNBUCKLE AND ADJUSTER.

FOR SASH NOT OVER 4:0" HIGH.



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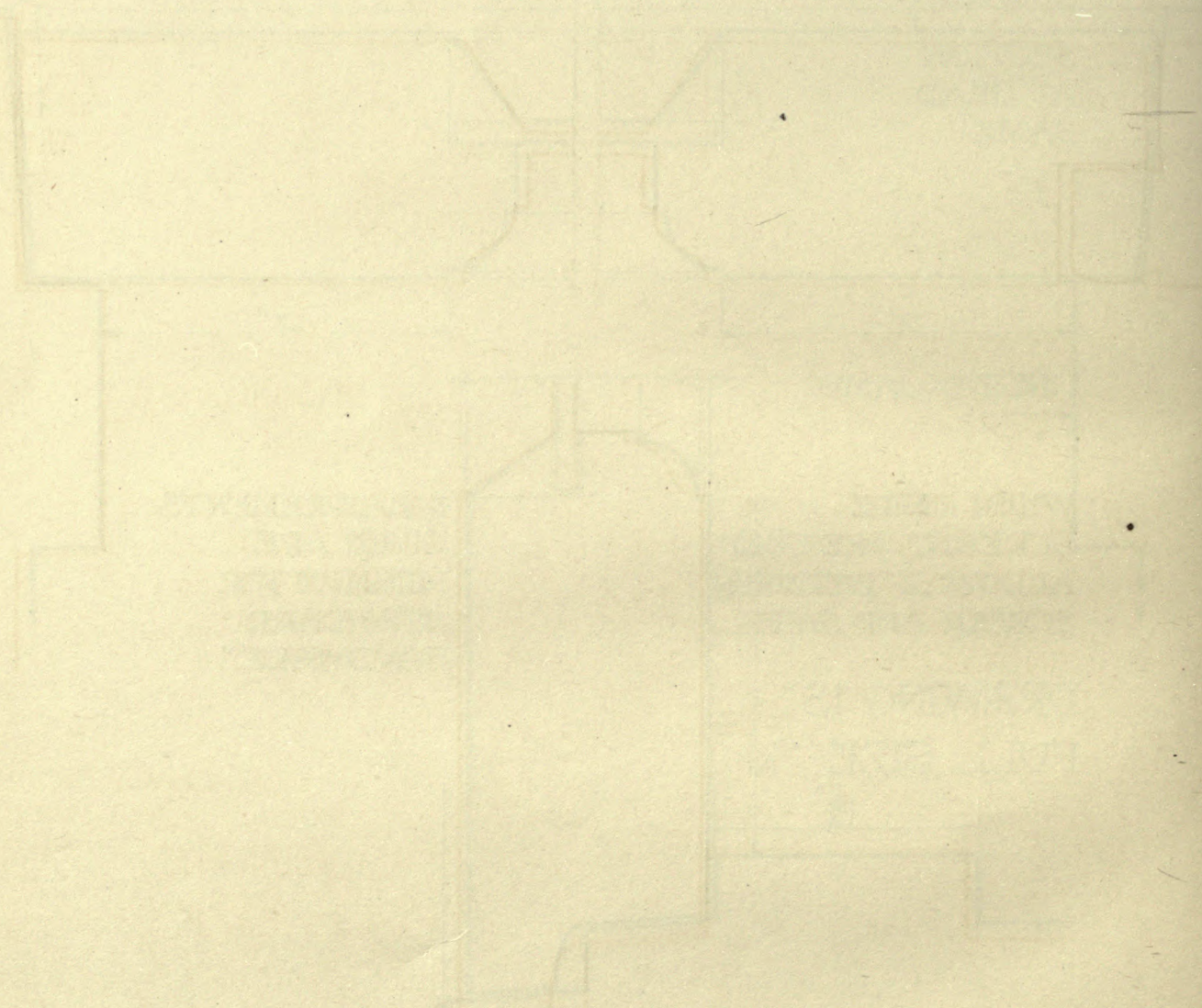


DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING OUT
WITH RABBETED MEETING STILES

USING RIM OR MORTISE CASEMENT FASTENER OR TURNBUCKLE AND ADJUSTERS

FOR SASH NOT OVER 4'0" HIGH

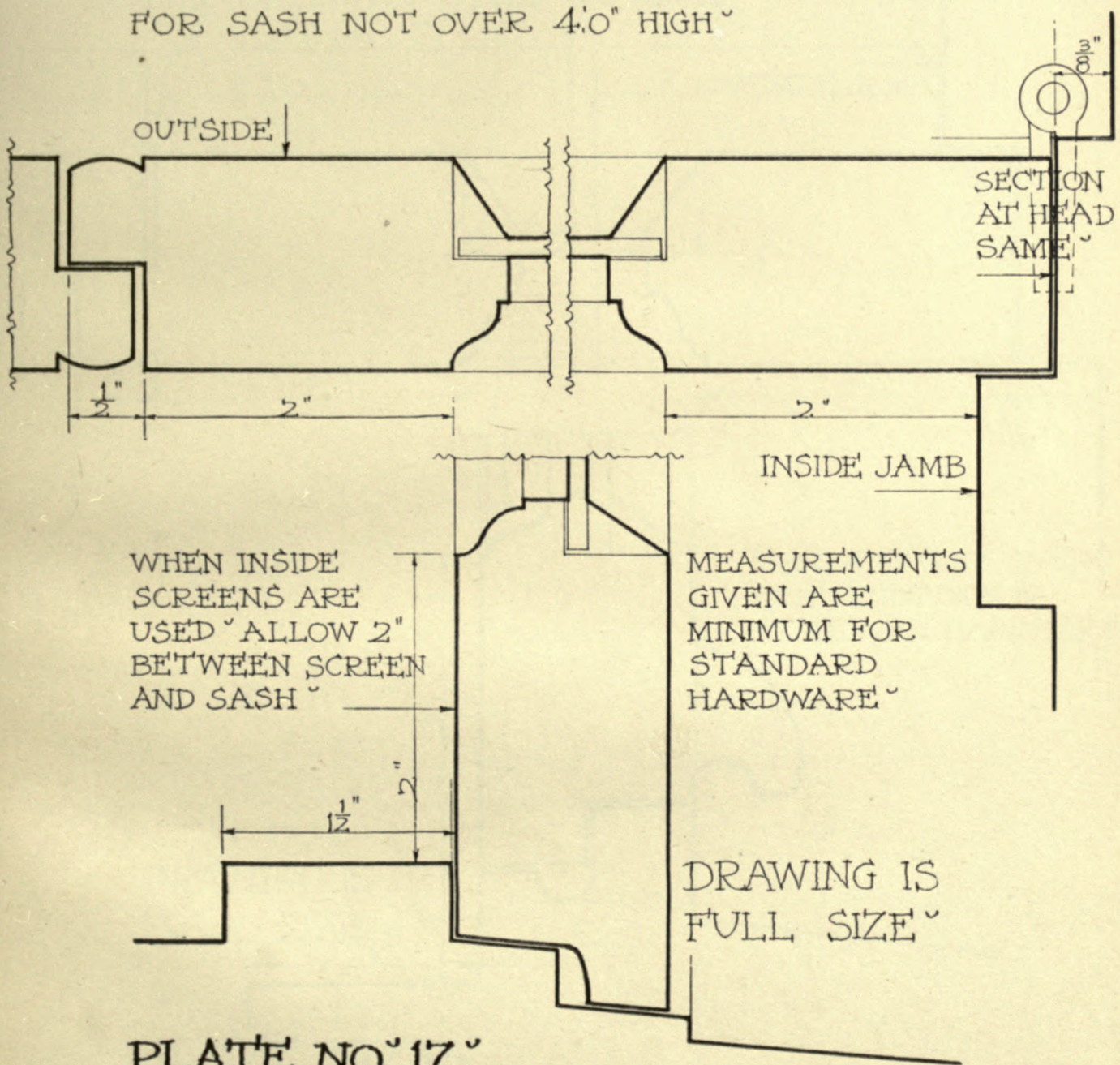
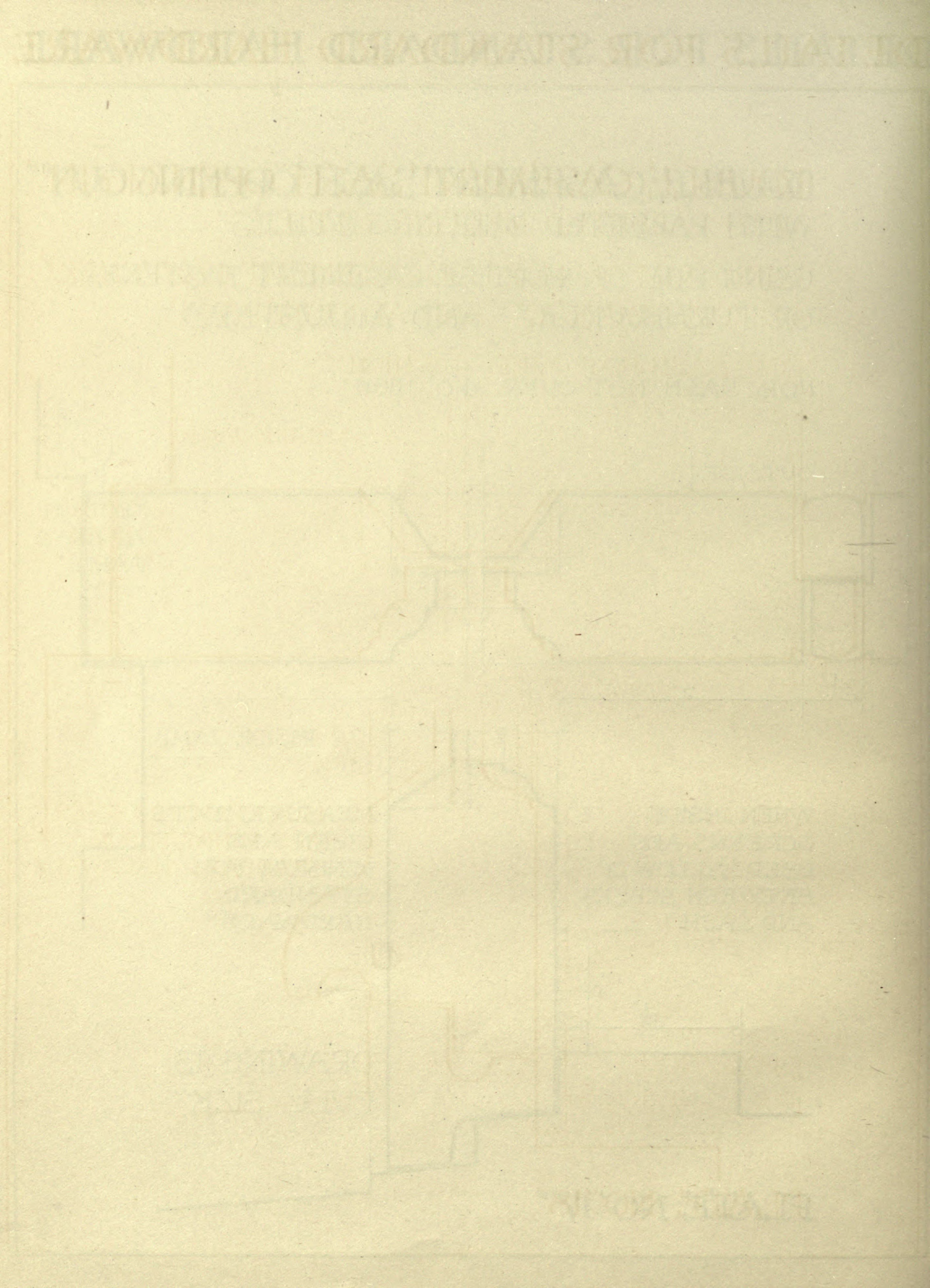


PLATE NO 17



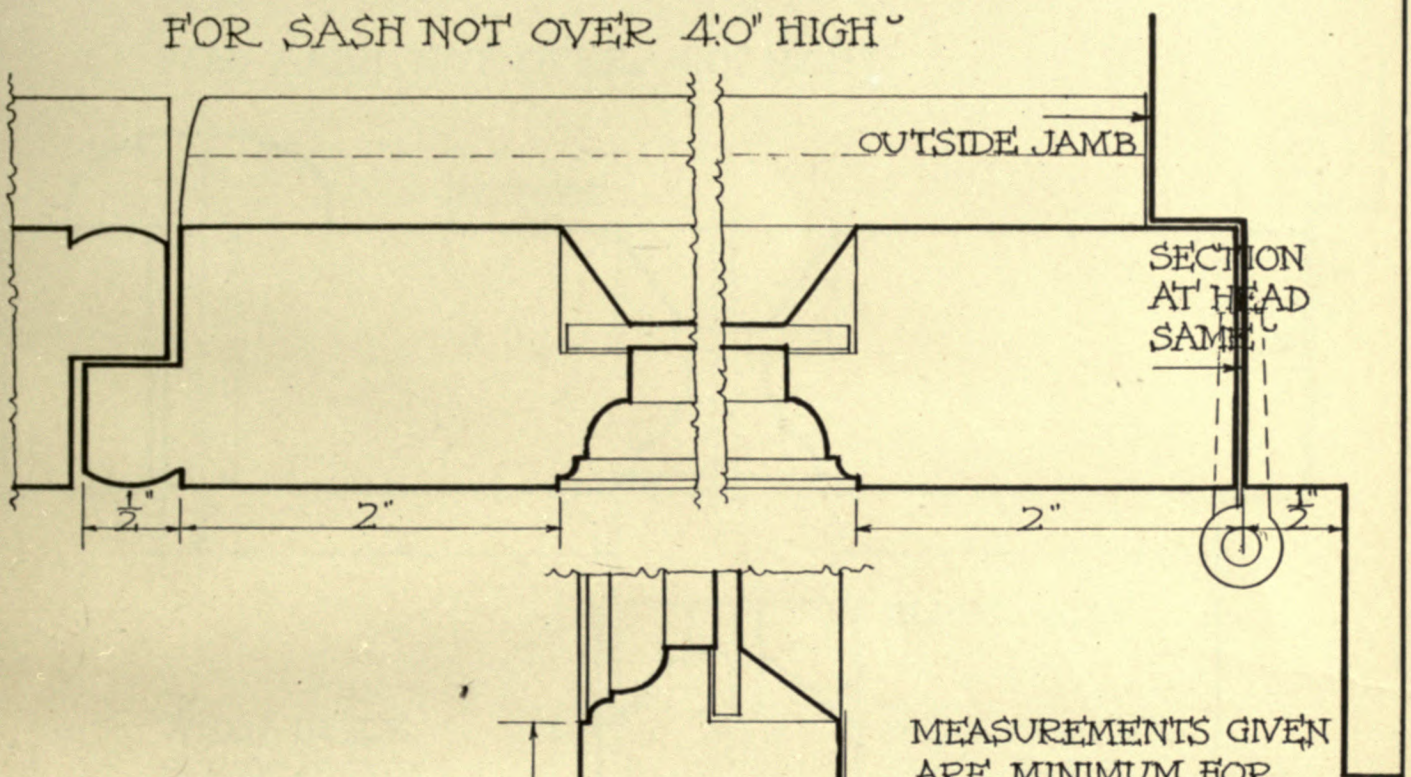
DETAILS FOR STANDARD HARDWARE

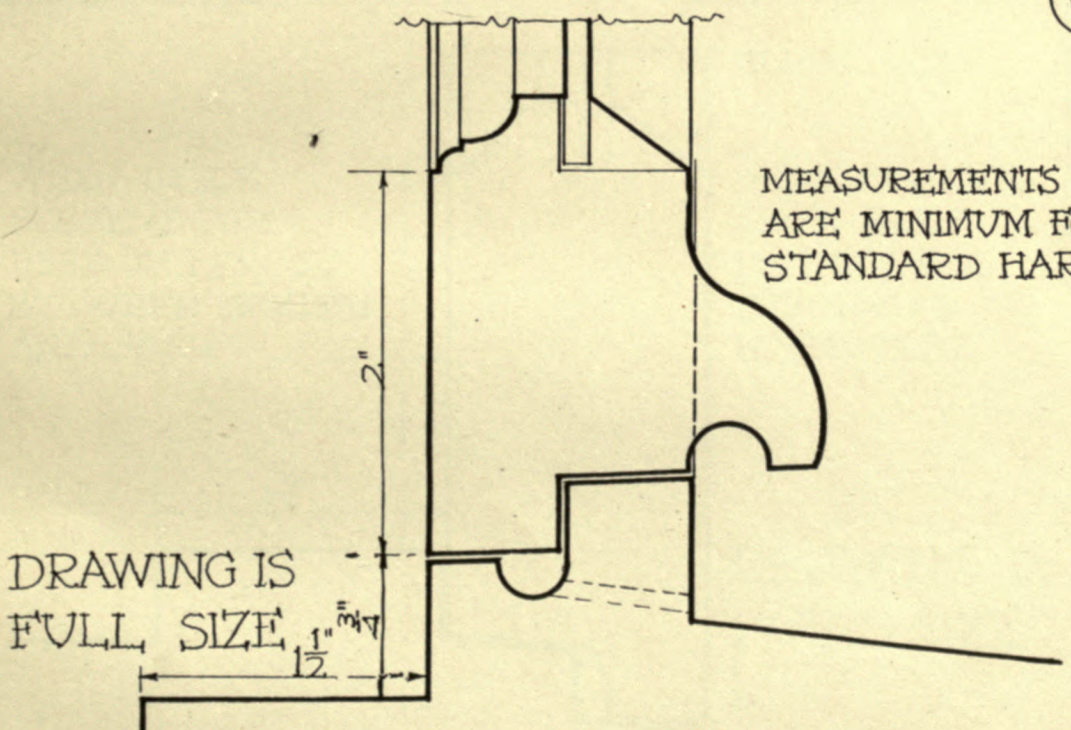
DOUBLE CASEMENT SASH "OPENING IN"

WITH RABBETED MEETING STILES"

USING RIM OR MORTISE CASEMENT FASTENER" OR TURNBUCKLE" "AND ADJUSTERS"

FOR SASH NOT OVER 4'0" HIGH"

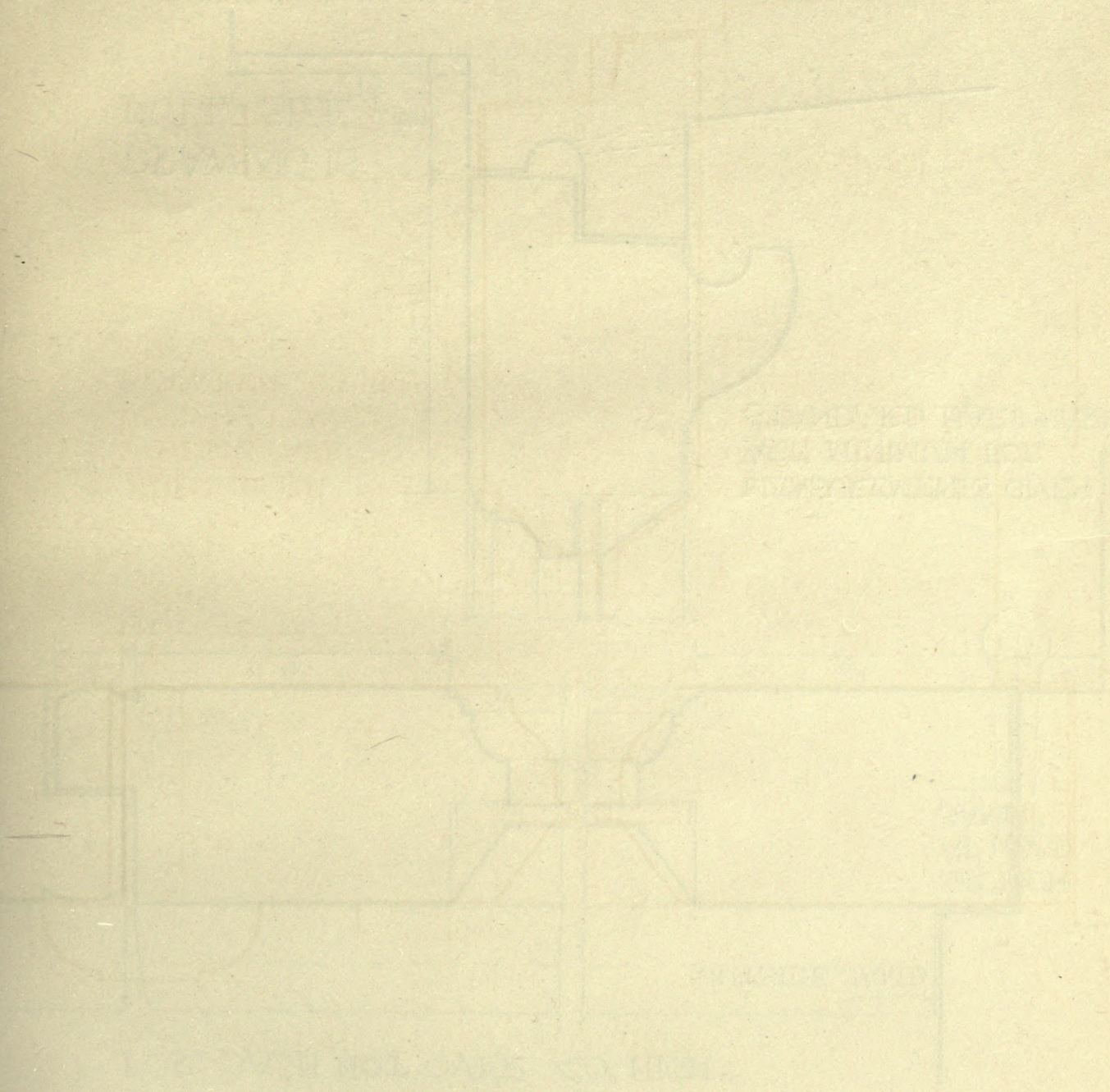




MEASUREMENTS GIVEN ARE MINIMUM FOR STANDARD HARDWARE

DRAWING IS FULL SIZE

PLATE NO "18"



DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH "OPENING OUT"
WITH FLAT ASTRAGAL MEETING STILES"

USING RIM OR MORTISE CASEMENT FASTENER " OR TURNBUCKLE" " AND ADJUSTERS"

FOR SASH NOT OVER 4'0" HIGH"

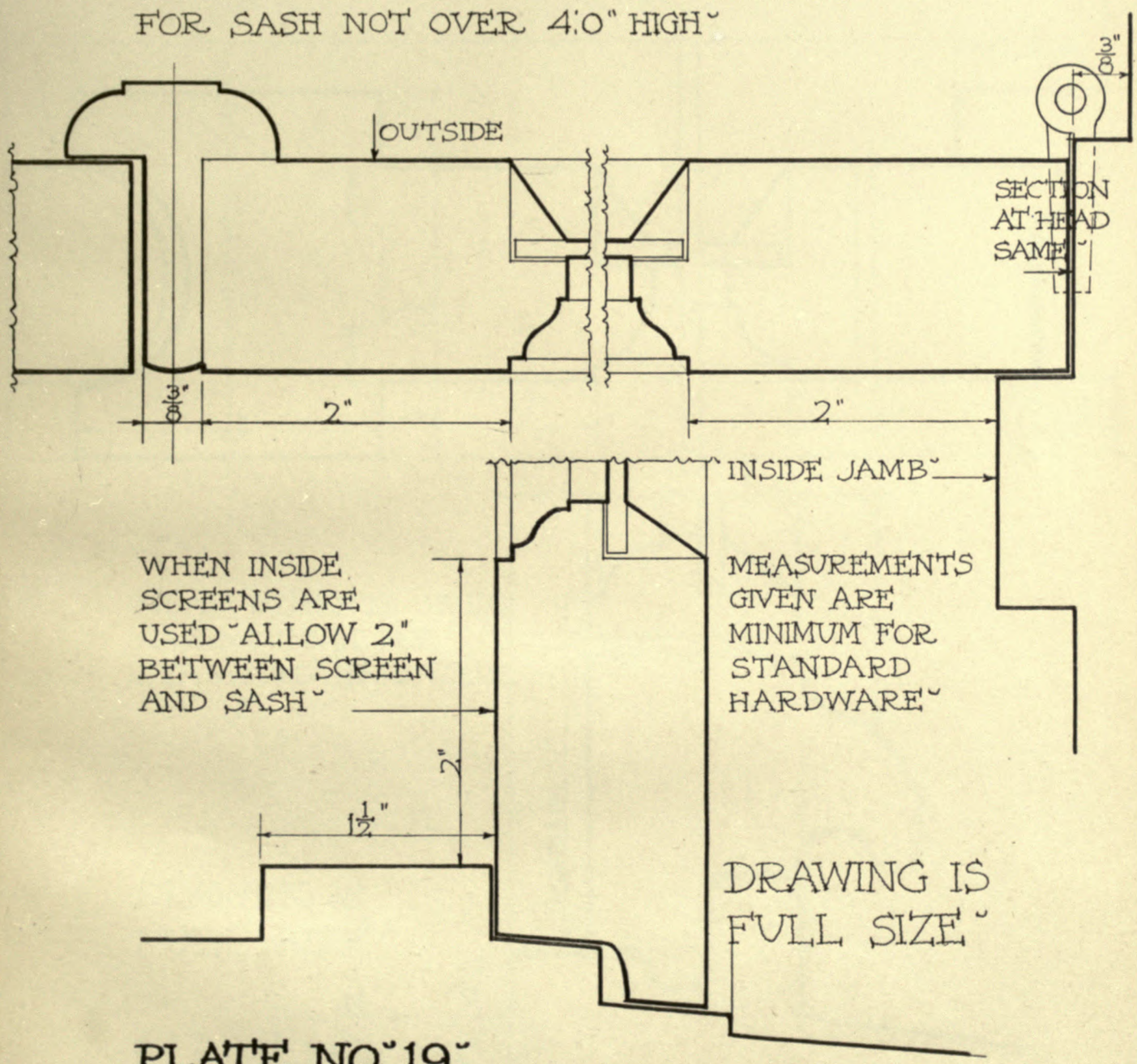
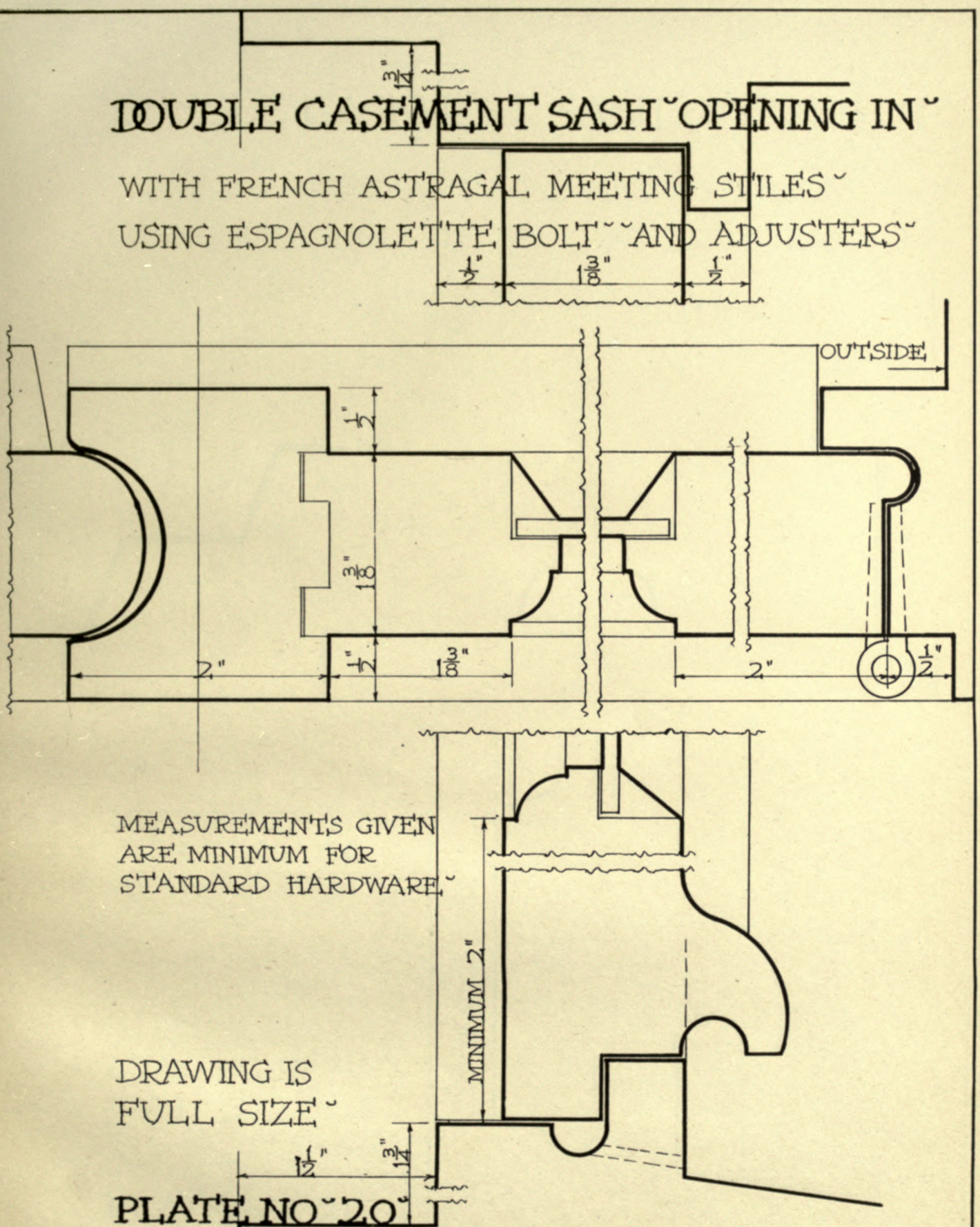


PLATE NO"19"

DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH "OPENING IN"

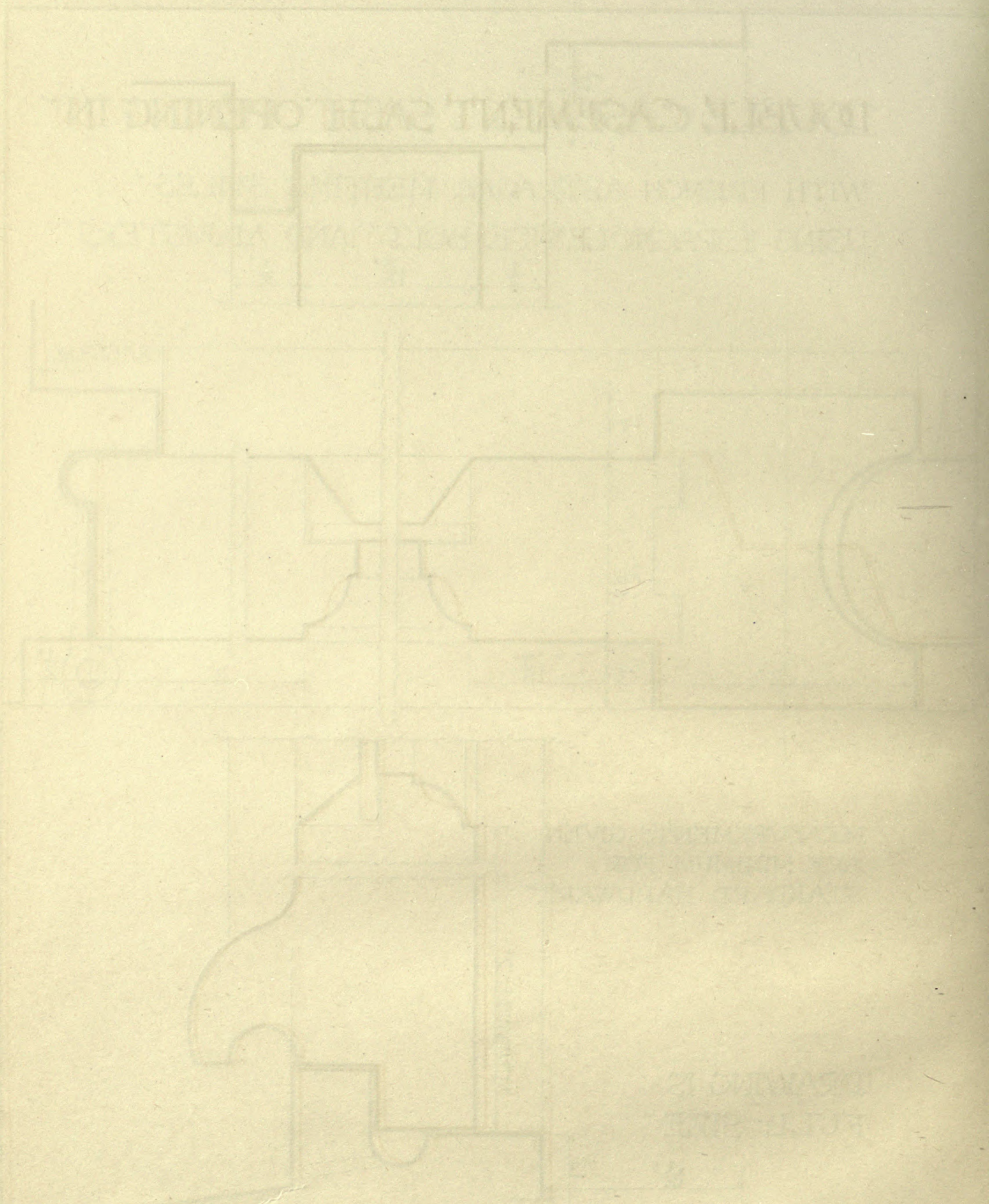
WITH FRENCH ASTRAGAL MEETING STILES"
USING ESPAGNOLETTE BOLT" "AND ADJUSTERS"



MEASUREMENTS GIVEN ARE MINIMUM FOR STANDARD HARDWARE"

DRAWING IS FULL SIZE"

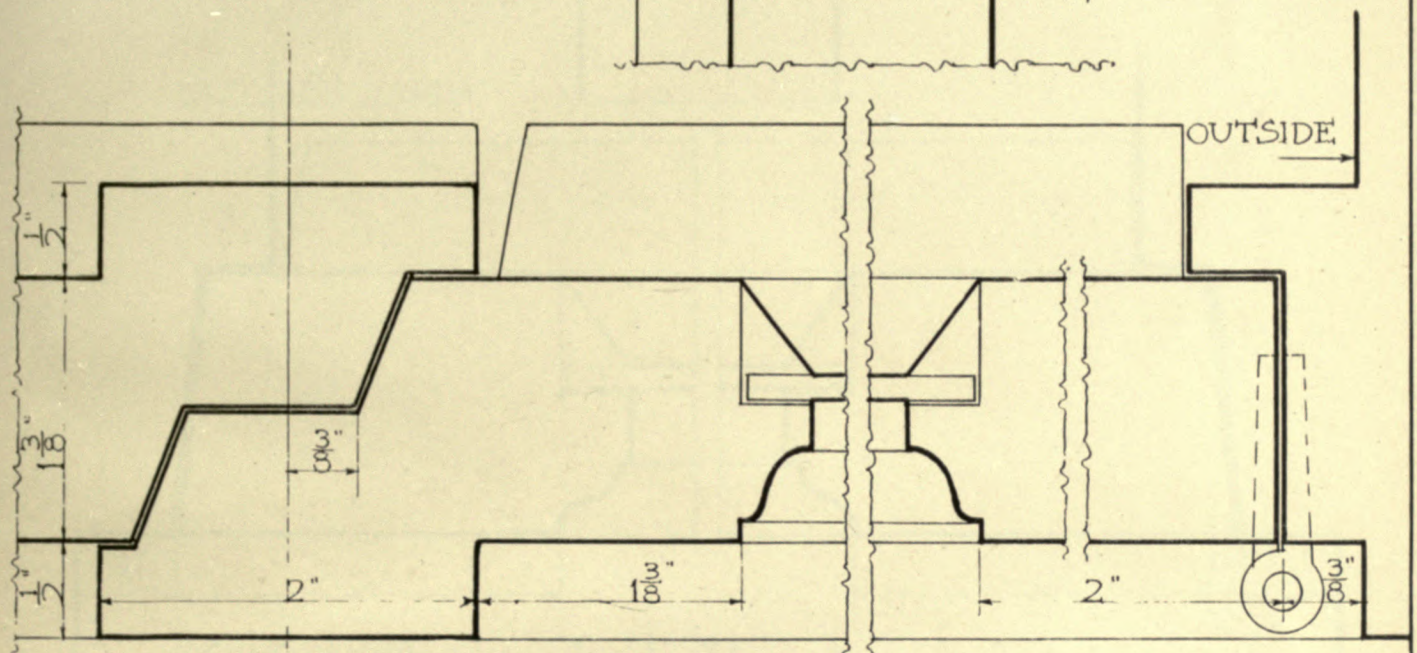
PLATE NO" 20"

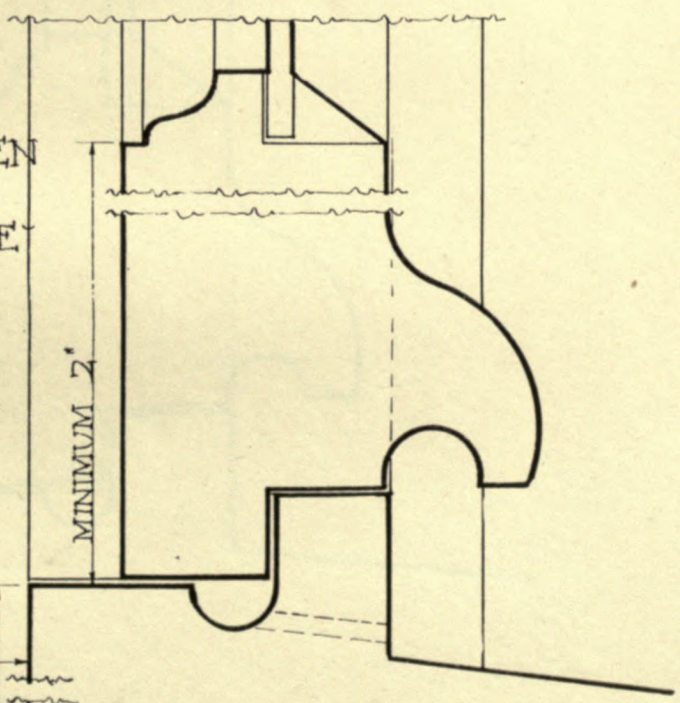


DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH ~ OPENING IN ~

WITH RABBETED ASTRAGAL MEETING STILES ~
USING ESPAGNOLETTE BOLT ~ AND ADJUSTERS ~

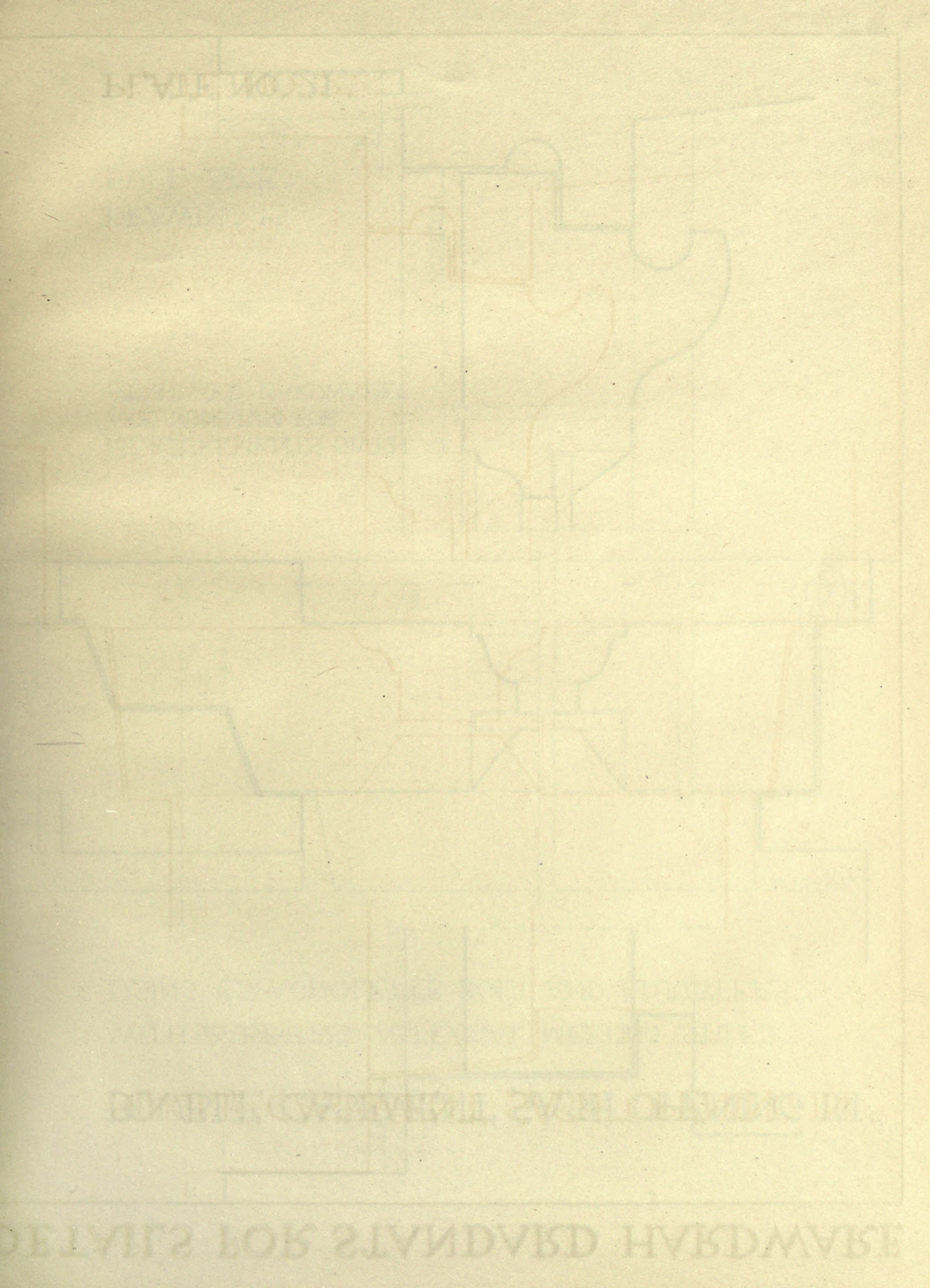




MEASUREMENTS GIVEN ARE MINIMUM FOR STANDARD HARDWARE ~

DRAWING IS FULL SIZE ~

PLATE NO ~ 21 ~



DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH "OPENING IN"

USING CREMONE BOLT "AND ADJUSTER"

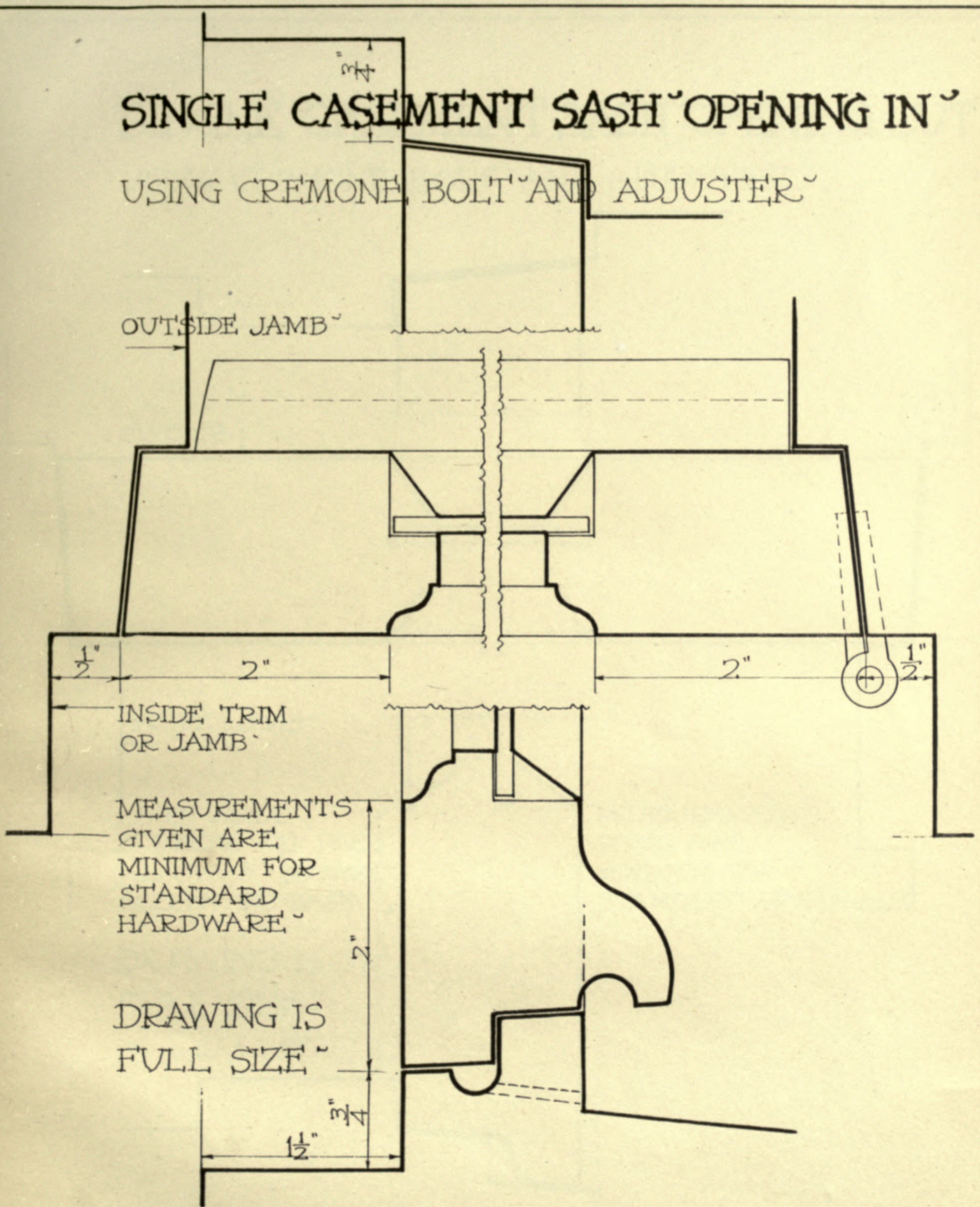
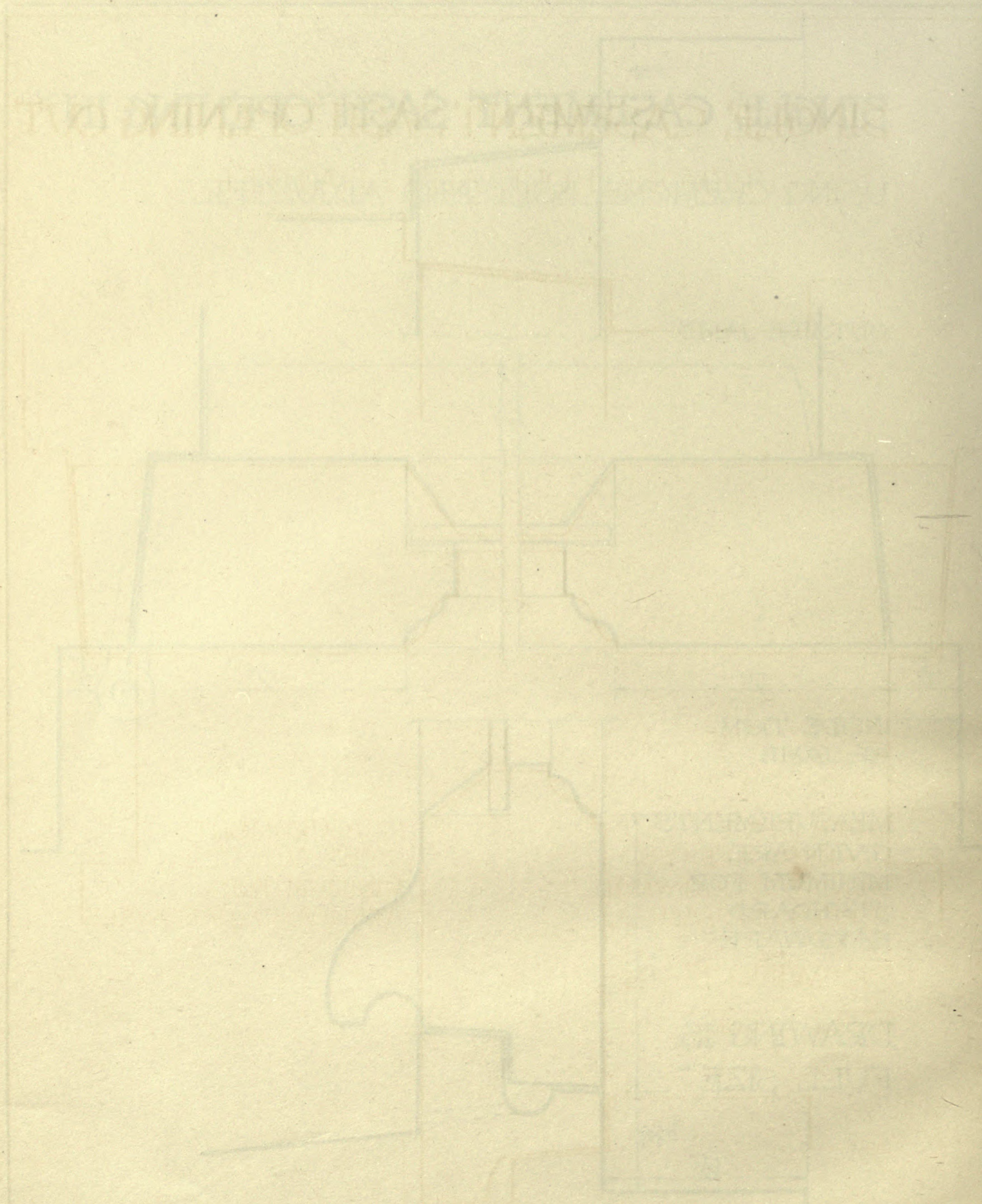


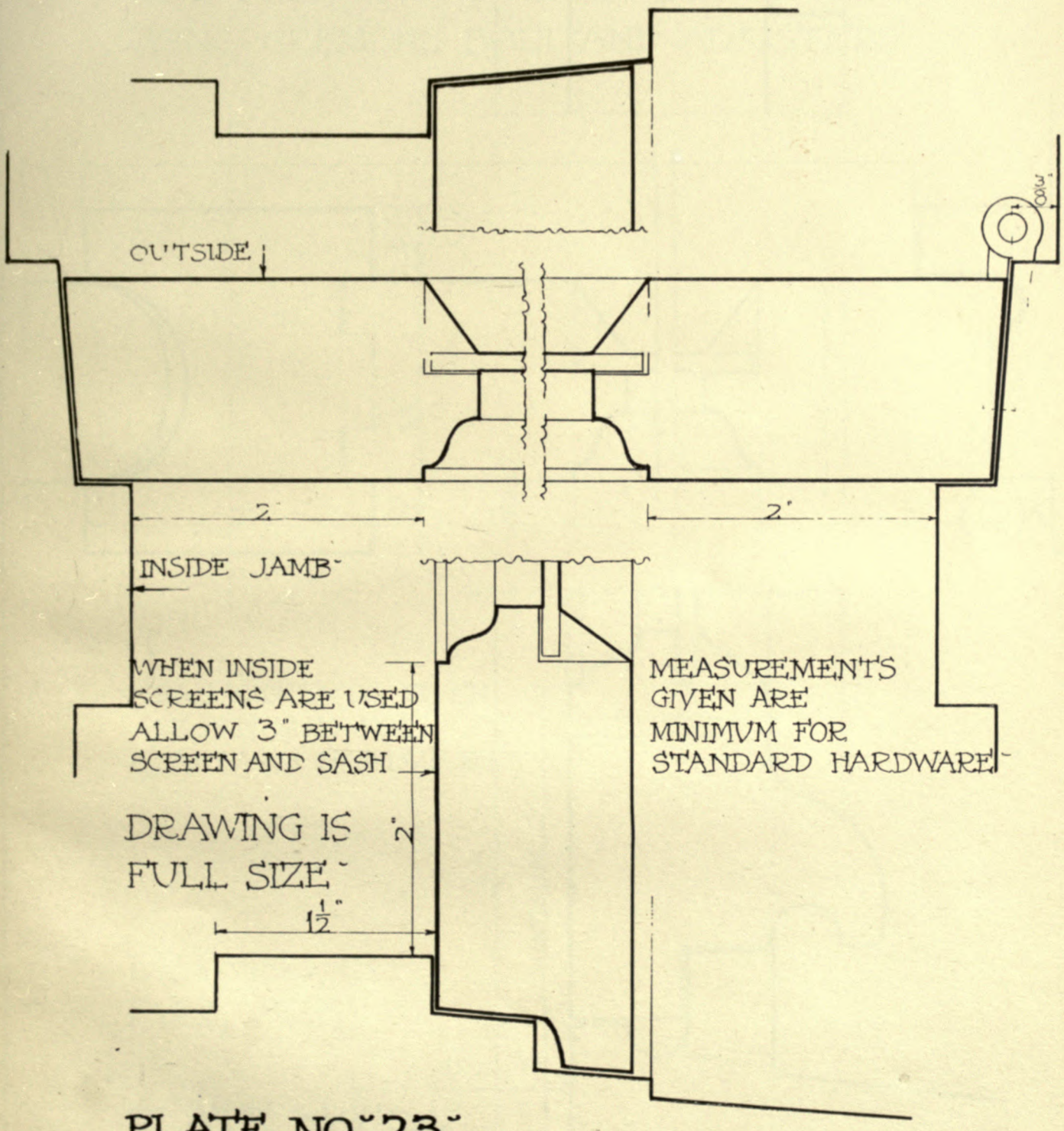
PLATE NO "22"



DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH "OPENING OUT"

USING CREMONE BOLT "AND ADJUSTER"



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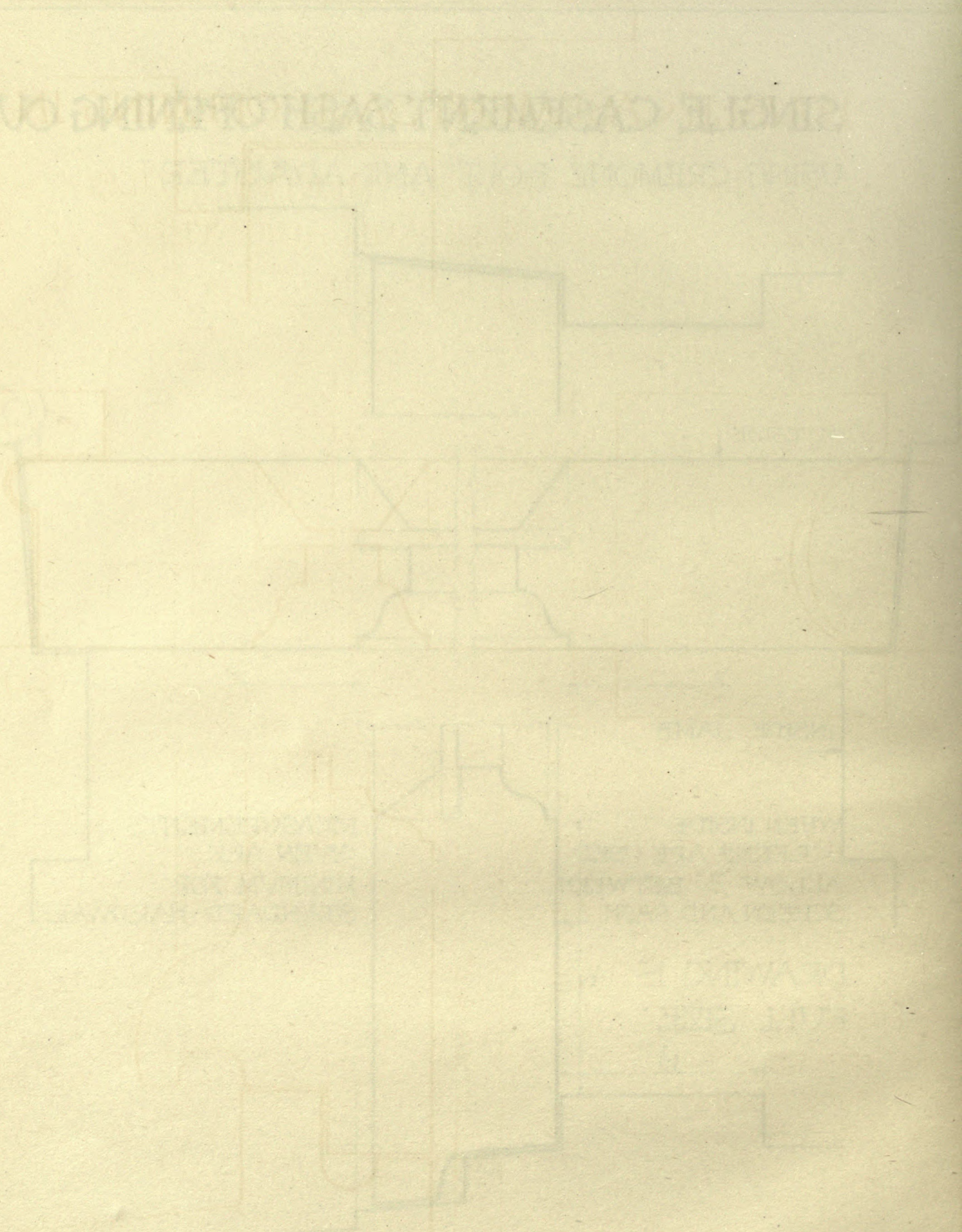
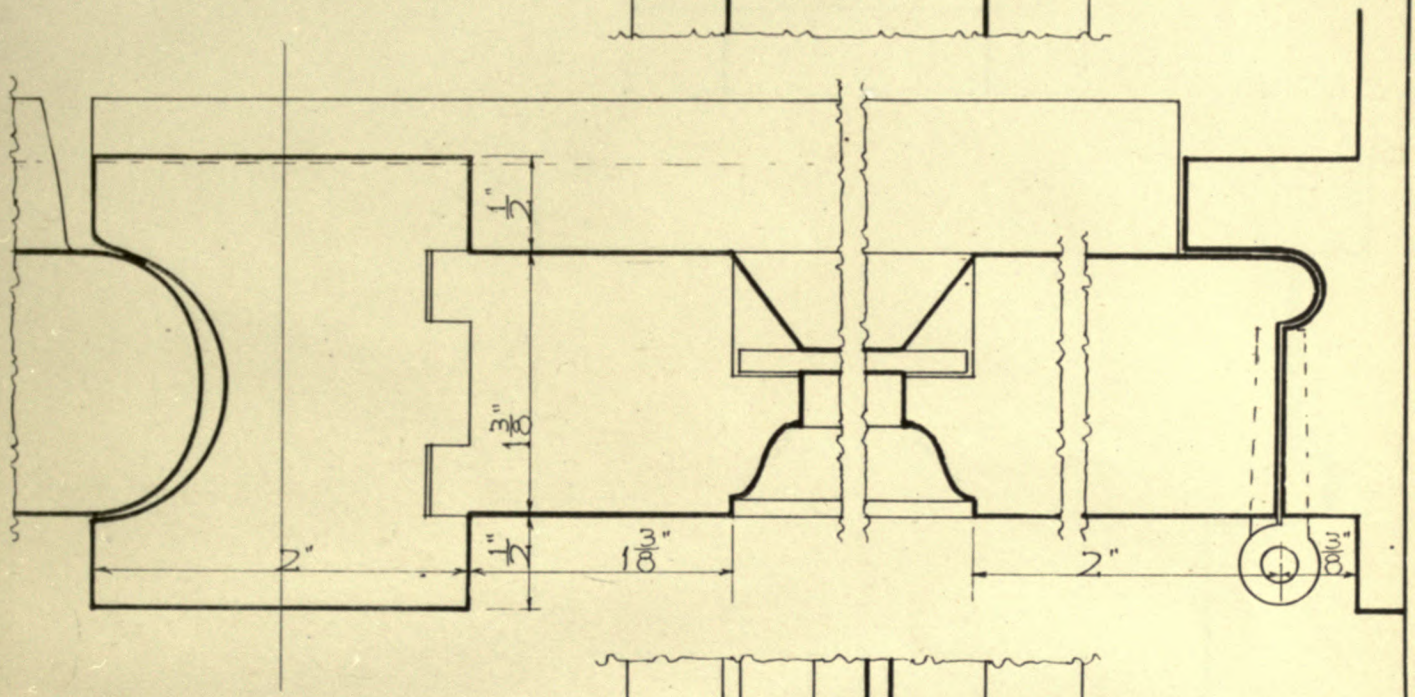


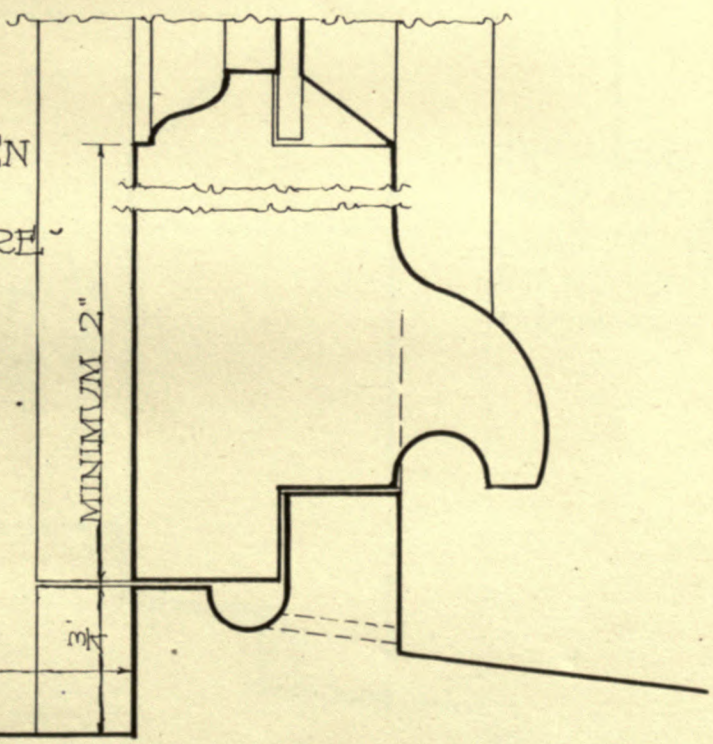
DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH "OPENING IN"

WITH FRENCH ASTRAGAL MEETING STILES"
USING CREMONE BOLT "AND ADJUSTERS"

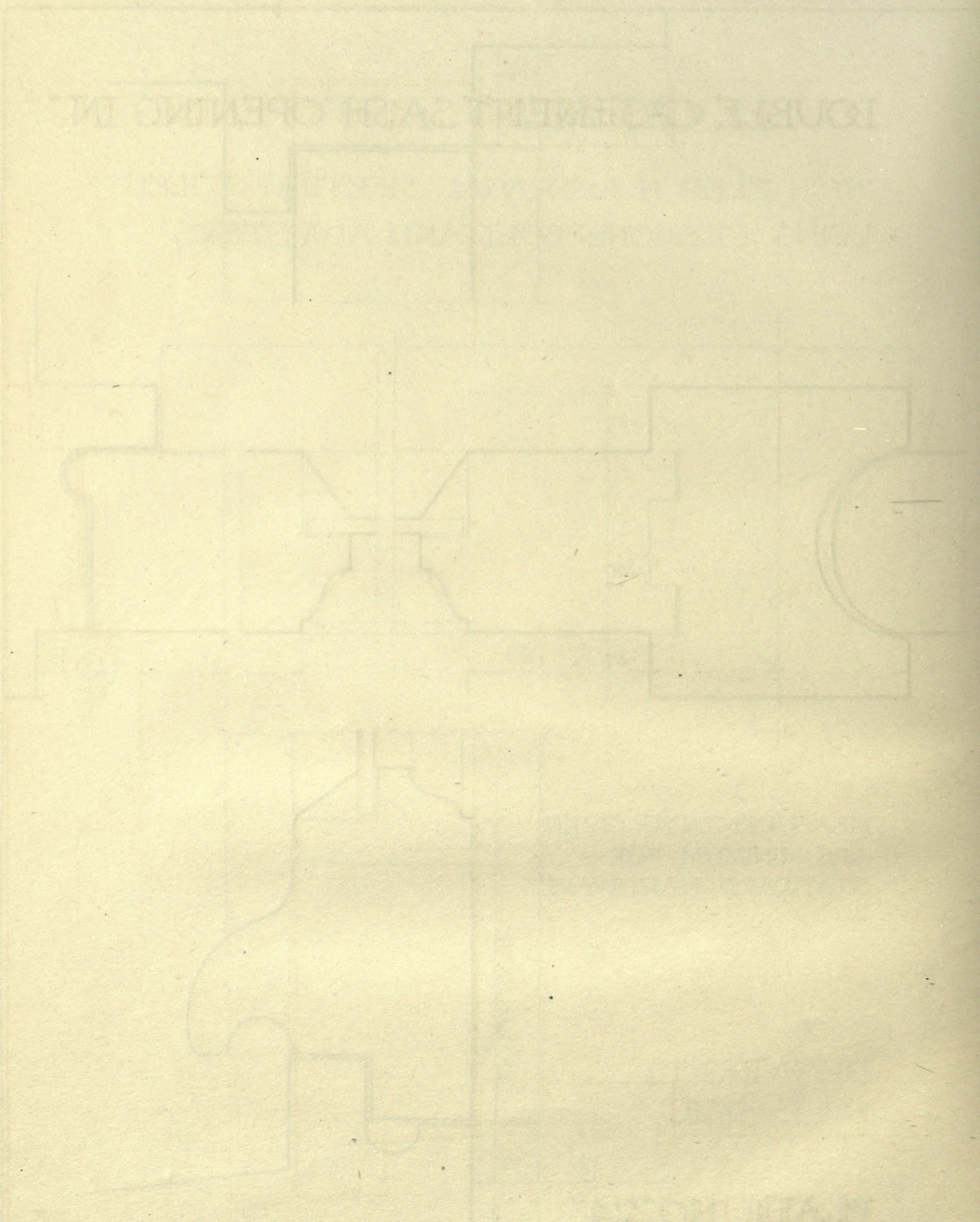


MEASUREMENTS GIVEN ARE MINIMUM FOR STANDARD HARDWARE"



DRAWING IS FULL SIZE."

PLATE NO "24"

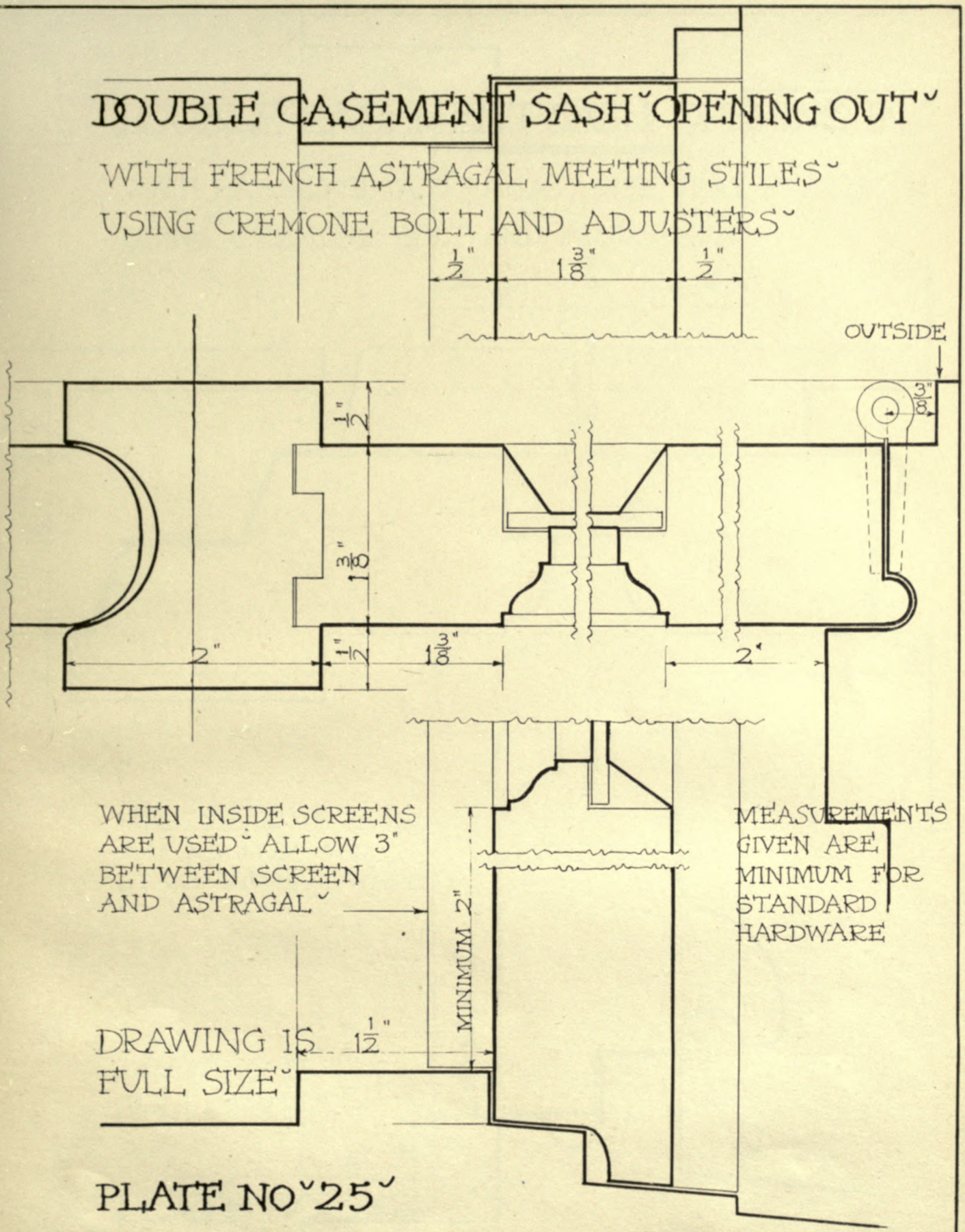


DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH "OPENING OUT"

WITH FRENCH ASTRAGAL MEETING STILES"

USING CREMONE BOLT AND ADJUSTERS"

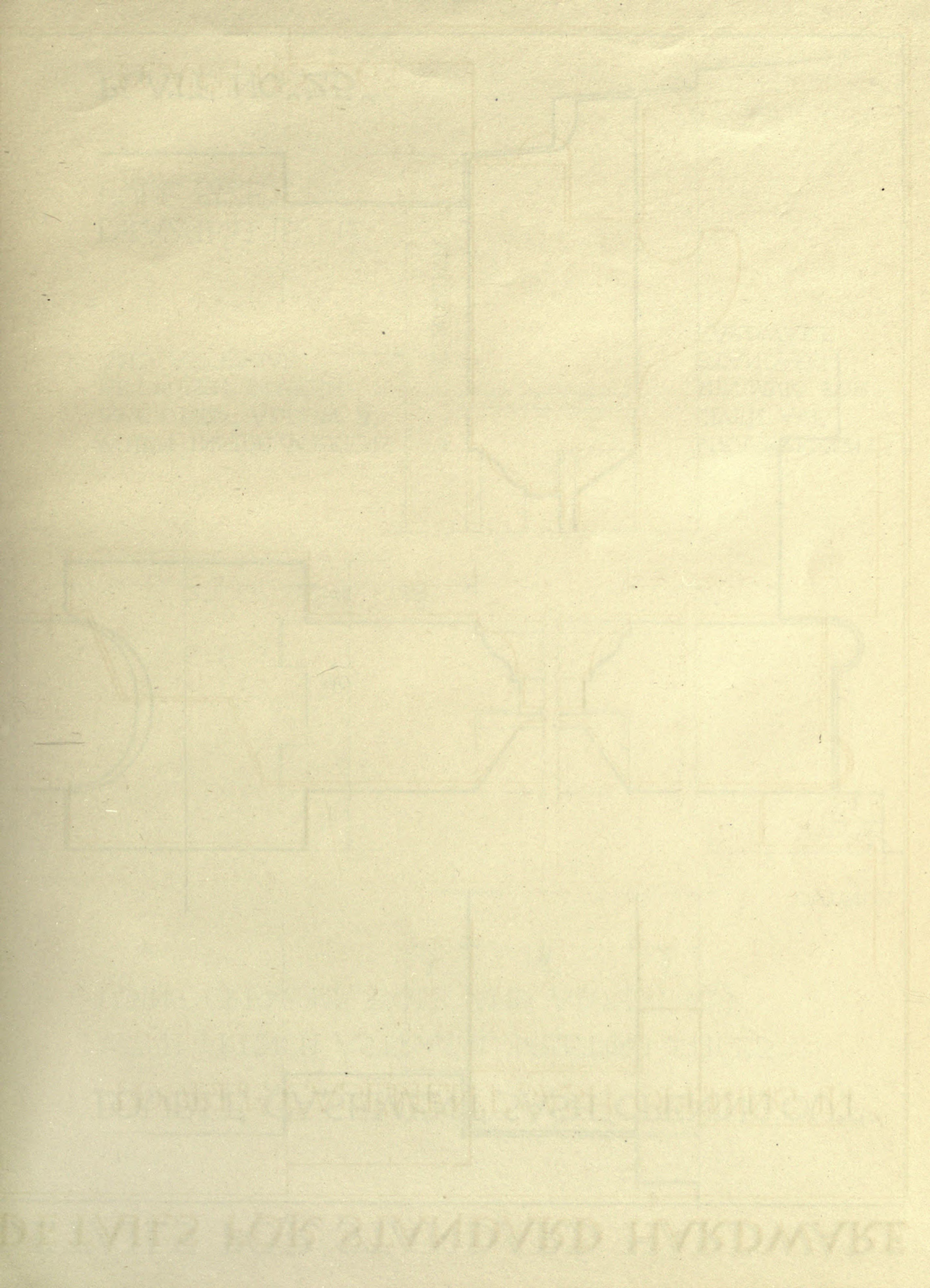


WHEN INSIDE SCREENS ARE USED" ALLOW 3" BETWEEN SCREEN AND ASTRAGAL"

MEASUREMENTS GIVEN ARE MINIMUM FOR STANDARD HARDWARE

DRAWING IS FULL SIZE"

PLATE NO"25"

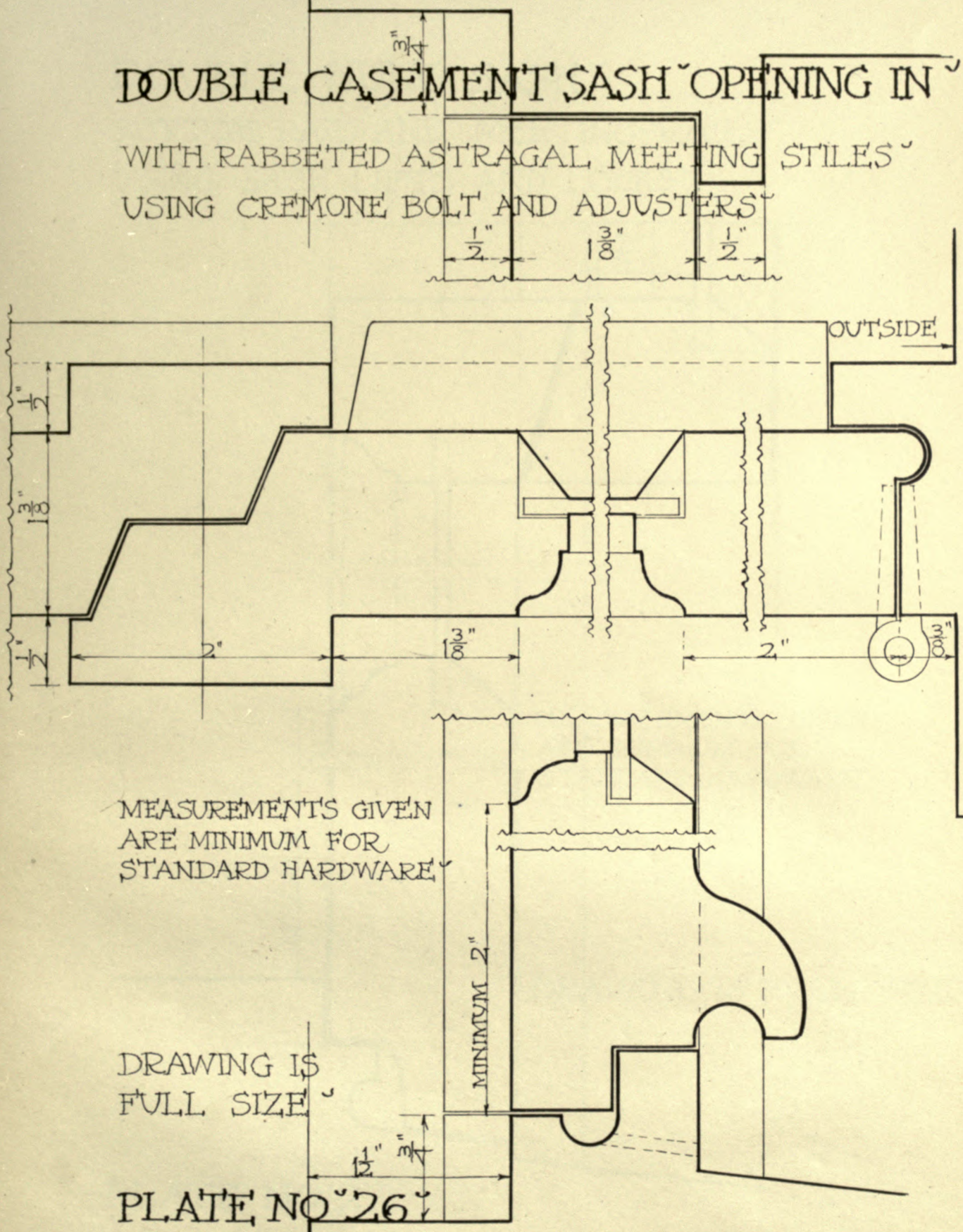


DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING IN

WITH RABBETED ASTRAGAL MEETING STILES

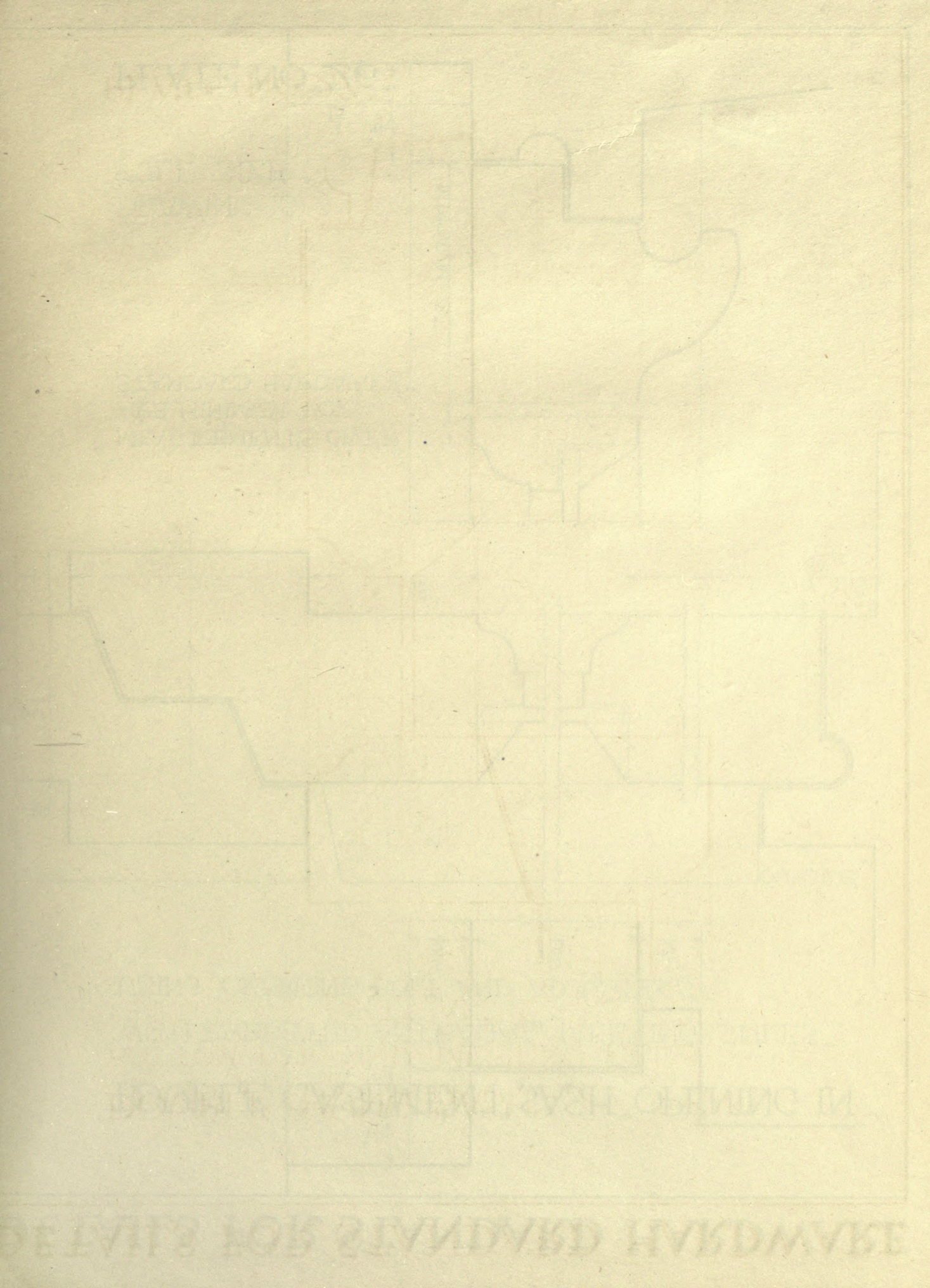
USING CREMONE BOLT AND ADJUSTERS



MEASUREMENTS GIVEN ARE MINIMUM FOR STANDARD HARDWARE

DRAWING IS FULL SIZE

PLATE NO. 26



DETAILS FOR STANDARD HARDWARE

DOUBLE HUNG SASH.

BOTTOM RAIL AND MEETING RAILS.

USING SASH LIFTS AND LOCKS.

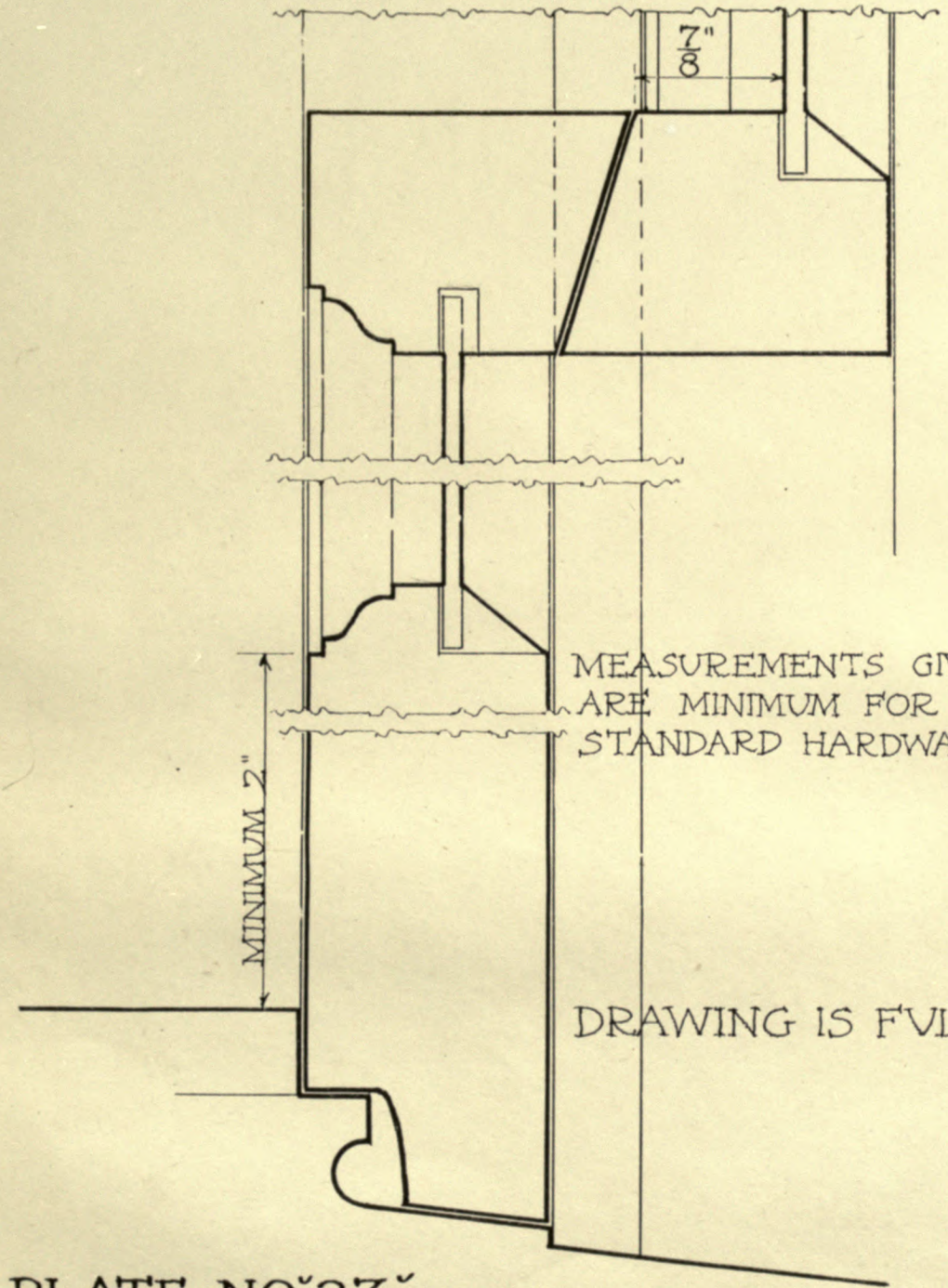
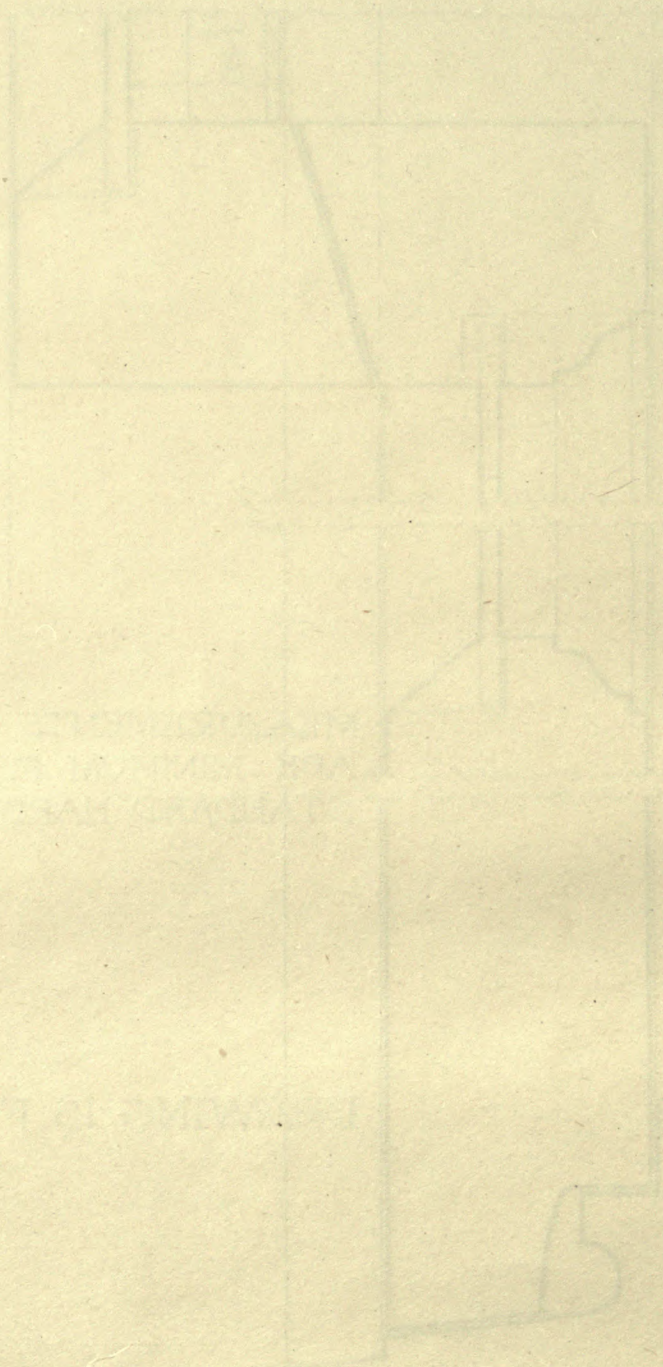


PLATE NO. 27.



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